Ολύμπια Δεύτερα.

OR, AN

ALMANACK

and PROGNOSTICATION

For the Year of our LORD

GOD, 1664.

Being the Biſſextile, or Leap-Year, and from the Creation of the World, 5613.

Wherein is contained the ſtate of the year, the Eclipſes, Lunations, Conjunctions, and Aſpects of the Planets, the length, and increaſe, and decreaſe of Days and Nights, with the Riſing, Southing, and ſetting of the Sun, Moon and Stars every day in the year, whereby may be known the true hour of the Day and Night, at all times, when the Sun, Moon or Stars are ſeen.

Calculated according to Art, and referred to the Horizon of the ancient and renowned Borough Town of STAMFORD, (ſometime a Univerſity) whoſe Longitude is 23 deg. 50 min. Latitude 52 deg. 40 min. fitting all the middle Counties of ENGLAND, and without ſenſible errour the whole Nation.

By VINCENT WING *Math.*

Pſal. 19. 1. *Cœli enarrant gloriam Dei, &c.*

LONDON,

Printed by W. LEYBOURN, for the Company of STATIONERS.

The Common Notes for this present year 1664 according to

The Julian, English, *or* Old Account.		*The* Gregorian, Forreign, *or* New Account.
12	The Golden Number	12
21	The Cycle of the Sunne.	21
12	The Epact.	2
E S	The Dominicall Letters.	F E
2	The Romane Indiction.	2
20	The Number of Direction.	16

The TERMS and their Returns this year.

HILLARY Term begins January 23, and ends February 12, and hath four Returns, viz.

Octab. Hill.	Jan. 20
Quind Hill.	Jan. 29
Craſt. Purif.	Feb. 37
Octab. Purif.	Feb. 2

EASTER Term begins the 27 of April, and ends the 23 of May, and hath five Returns, viz

Quind: Paſc:	April 25
Tres Paſchæ	May 2
Menſ. Paſc:	May 9
Quinq; Paſc:	May 16
Craſt. Aſcenſ:	May 20

TRINITY Term begins the 10 of June, and ends the 29 of the ſame, and hath four Returns, viz.

Craſt. Trin.	June 6
Octab. Trin.	June 13
Quind. Trin.	June 20
Tres Trin.	June 27

MICHAELMAS Term begins October 24, and ends November 28, and hath ſix Returns, viz.

Tres Mich.	Oct. 20
Menſ. Mich.	Oct. 27
Craſt. Anim.	Nov. 3
Craſt. Mart.	Nov. 12
Octab. Mart.	Nov. 18
Quind. Mart.	Nov. 25

Veneris ingens ſidus, cum antegreditur ſolem Græcis Φωσφόρος dicitur, Latinè dicitur Lucifer, cùm verò ſubſequitur, & ab occaſu refulget, Veſper, Veſperugo, & Hesperus appellatur.

The Golden Planet Venus is a bright morning ſtar, from the beginning of this year untill the laſt of Auguſt, at which time ſhe is in Conjunction with the ſun, and from thence for is a glittering Evening ſtar, ſhining in the weſt, after the ſuns going down, until the 22 of June 1665. being in her greateſt veſpertine digreſſion from the ſun upon the 13 of April, 1665.

A Table shewing the bearing distance, longest day and difference of Meridians of most of the principal Cities in the World, from the famous City of *London*

Names of the Places.	The way, or point of bearing.	Their distance in miles	Longest day, Ho.	Min.	Difference Meridians. Ho.	Min.
Alexandria in Egypt	S. E. by E.	2169	14	0	2	42 E.
Amsterdam in Holland	E. by No.	266	16	40	0	28 E.
Athens in Greece	S. E. by E.	1642	14	40	0	56 E.
Antwerp in Brabant	East *ferè.*	248	16	28	0	24 E.
Antioch	Ea. So. Ea.	2319	14	26	3	16 E.
Barwick	North *ferè*	267	17	24	0	2 E.
Babylon	Ea. So. Ea.	2724	14	25	3	56 E.
Bethsaida	S. Ea. by E.	2369	14	6	2	29 E.
Bermoudas	W. S. W.	3409	14	10	4	56 W.
Calisute in East India	S. E. by E.	5214	12	20	6	8 E.
Calice in France	Ea. by So.	86	16	25	0	9 E.
Constantinople	Ea. So. Ea.	1547	15	15	2	24 E.
Dublin in Ireland	N. w. by W	296	17	15	0	26 W.
Dantzick	Ea. No. E.	961	17	5	1	44 E.
Damascus	Ea. So. Ea.	2404	14	15	3	16 E.
Edinburg in Scotland	North	328	17	40	0	0 E.
Ephesus	Ea. So. Ea.	1808	14	40	2	30 E.
Florence	South East	802	15	10	0	57 E.
Frankford	Ea. *ferè.*	448	16	15	0	47 E.
Hamburg	Ea. No. Ea.	538	18	0	0	56 E.
Hierusalem	S. E. by E.	2352	14	8	3	3 E.
Hfeland	N. N. W.	930	21	44	0	52 W.
Joppa	S. E. by E.	2338	14	6	3	0 E.
Lake of Sodom	S. E. by E.	2409	14	4	3	8 E.
Lisbone in Portugall	So. So. W.	985	14	45	1	0 W.
Middleburg in Zeland	East	205	16	30	0	20 E.
Mentz in Germany	East	410	16	25	0	45 E.
Millain	S. E. *ferè.*	645	15	22	0	48 E.
Morocco in Barbary	So. So. W.	1449	14	0	0	28 W.
Mexico	W. by So.	6844	13	20	9	59 W.
Naples	S. E. by Ea.	1051	14	50	1	16 E.
Nineveh	Ea. So. Ea.	2635	14	30	3	52 E.
Paris in France	So. So. Ea.	215	15	57	0	10 E.
Philippi in Macedonia	Ea. So. Ea.	1395	15	10	2	10 E.

Prague in Bohemia	Ea. *fere.*	700	16	1	1	14
Quinzey, the greatest city	Ea. by So.	7272	13	35	11	28
Rome (*in the world*	So. Ea. by E	887	15	4	1	7
Spiers	Ea. by So.	430	16	2	0	46
Strawsborough	Ea. by So	432	16	0	2	41
Toledo in Spain	So. by VV.	934	14	36	0	36
Troy	Ea. So. Ea.	1605	15	0	2	24
Tumbes			12	15	6	56
Venice	Ea. So. Ea.	744	15	28	1	3
Sivil	So. by VV.	950	14	40	0	52
York	North *fere*	150	17	0	0	0
LONDON			16	26	0	0

To find the time of the Suns Rising and Setting

IN the third Column of the Almanack, amongst the Festival Dayes, you have the Sun rising and setting set down every third or fourth Day in the Year, which is so exceeding easie that explanation is needless.

To find the true time of the Moons coming to the South.

IN the next Table but one you have the Moons comming to the South ready set down against the day of the Moneth, therefore find your Moneth on the top of the Table, and your day in the first Row on the left hand, under the Title Dayes, and in the Angle of meeting you have the hour and minute of her southing desired. As upon the 10 day of January, you may finde by the Table, that the Moon will be south at 5 a clock and 47 minute in the morning, the 11 at 6, and 33 min. and the 22, at 7 and 20 mins which is so easie, that I need not explain it further.

To find the true time of the Moons coming to the South.

WHensoever it is required to know at what hour and minute the Moon riseth or sets, you need do no more but cast your eye upon the 6 Column of the Almanack, under the Title (The Moons rising and setting) and right against the day of the moneth, you have the same without further trouble.

As upon the 4 of January, you may there see, that the Moon riseth at 6 a clock, and 9 min. afternoon, the 5 day, at 7 and 24 min. and the 6 day at 8 and 37 min. So the 10 day she riseth at 5 a clock and 50 min. in the afternoon, the 20 day at 6 and 34 min. and the 21 day at 8 and 1 min. And so you have it for any other day, without any trouble at all: Only take notice that we have there set down her Rising from the Full to the New-moon, and her setting from the New to the Full Moon.

A most plain and easie Table shewing the true time of the beginning continuance, and years since the reign of each King and Queen in England. Since the Conquest, untill this present year, 1664.

The Kings Names	Began their Reigns	The time they reigned yea.	mon.	da.	Since they reigned
Will. Conquer.	1066 Octo 14	20	11	22	577 Sept 9
Will. Rufus	1087 Sept 9	12	11	19	564 Aug 1
Henry I	1100 Aug 1	35	4	11	529 Dec 1
King Stephen	1135 Dec 2	18	11	19	510 Octo 25
Henry II	1154 Octo 25	34	9	2	475 July 6
Richard I	1189 July 6	9	9	22	465 April 6
King John	1199 April 6	17	7	0	448 Octo 19
Henry III	1216 Octo 19	56	1	0	392 Nov 16
Edward I	1272 Nov 16	34	8	6	357 July 7
Edward II	1307 July 7	19	7	5	338 Jan 25
Edward III	1326 Jan 25	50	5	7	287 June 21
Richard II	1377 June 21	22	3	14	265 Sep. 29
Henry IV	1399 Sept 29	13	6	3	251 Mar 20
Henry V	1412 Mar 20	9	5	24	242 Aug 31
Henry VI	1422 Aug 31	38	6	16	204 Mar 4
Edward IV	1461 Mar 4	22	1	8	181 April 9
Edward V	1483 April 9	0	2	18	181 June 22
Richard III	1483 June 22	2	2	5	179 Aug 22
Henry VII	1485 Aug 22	23	10	16	155 April 22
Henry VIII	1509 April 22	37	10	2	118 Jan 28
Edward VI	1547 Jan 28	6	5	19	111 July 6
Queen Mary	1553 July 6	5	4	22	106 Nov 17
Queen Elizab.	1558 Nov 17	44	4	16	62 Mar 24
King James	1602 Mar 24	22	0	3	39 Mar 27
K. Charles I	1625 Mar 27	22	10	3	16 Jan 30
K. Charles II	1648 Jan 30	Whom God grant long to Reign			

God save King Charles, *his foes destroy,*
And such as do his Realms annoy.

1 Pet. 2. 17. Fear God, honour the King.

A Table shewing the Hour and Minute of the Moons coming to the South, the first six Months of the year, 1664.

Days	Ianua. ho. min.	Februa ho. min	March. ho. min.	April. ho. min.	May, ho min.	June. ho. min.
1	10 43	12 22	11 A 56	mor. 21.	0 M 43	1 M 53
2	11 47	mor. 22	12 44	1 8	1 35	2 40
3	12 51	1 13	mor. 44	1 57	2 24	3 26
4	mor. 51	2 2	1 32	2 47	3 14	4 8
5	1 49	2 49	2 21	3 39	4 2	4 50
6	2 41	3 38	3 9	4 28	4 48	5 35
7	3 30	4 24	3 58	5 16	5 33	6 18
8	4 15	5 12	4 48	6 3	6 16	7 3
9	4 59	6 0	5 38	6 50	7 0	7 51
10	5 47	6 48	6 26	7 3	7 45	8 43
11	6 33	7 39	7 15	8 21	8 29	9 39
12	7 20	8 26	8 3	9 5	9 15	10 39
13	8 7	9 16	8 49	9 1	10 8	11 42
14	8 55	10 3	9 34	10 59	11 2	0 A 35
15	9 45	10 50	10 21	11 27	0 A 0	1 47
16	10 33	11 35	11 6	0 A 19	1 3	2 47
17	11 21	0 A 21	11 53	1 16	2 5	3 42
18	0 A 8	1 6	0 A 41	2 16	3 7	4 33
19	0 54	1 52	1 31	3 17	4 7	5 21
20	1 38	2 39	2 23	4 19	5 3	6 8
21	2 22	3 29	3 20	5 18	5 55	6 55
22	3 7	4 20	4 18	6 14	6 43	7 41
23	3 52	5 16	5 17	7 7	7 29	8 27
24	4 39	6 14	6 17	7 58	8 16	9 15
25	5 28	7 15	7 16	8 46	9 2	10 5
26	6 21	8 15	8 12	9 33	9 48	10 55
27	7 18	9 14	9 4	10 20	10 35	11 44
28	8 19	10 11	9 55	11 7	11 25	m. 33
29	9 20	11 5	10 44	11 54	12 14	mor. 33
30	10 22		11 32	12 43	mor. 14	1 17
31	11 25		12 21		1 5	

A Table shewing the Hour and Minute of the Moons coming to the South, the last six months of this year, 1664.

Dayes	July. ho. min.	August. ho. min.	Septem. ho. min.	Octob. ho. min.	Novem. ho. min.	Decem. ho. min.
1	2 M 0	2 M 52	4 M 12	5 M 11	6 M 51	7 M 5
2	2 44	3 37	5 8	6 9	7 41	7 53
3	3 28	4 24	6 6	7 5	8 30	8 42
4	4 10	5 15	7 6	8 0	9 1	9 30
5	4 53	6 10	8 5	8 53	10 8	10 19
6	5 39	7 6	9 3	9 44	10 56	11 9
7	6 27	8 6	10 0	10 33	11 43	0 A 0
8	7 20	9 8	10 53	11 24	0 A 36	0 51
9	8 18	10 9	11 46	0 A 14	1 28	1 40
10	9 18	11 8	0 A 37	1 5	2 19	2 26
11	10 20	0 A 5	1 28	1 56	3 9	3 12
12	11 24	1 0	2 18	2 47	3 58	3 55
13	0 A 25	1 51	3 8	3 40	4 44	4 37
14	1 23	2 42	4 1	4 31	5 38	5 18
15	2 18	3 31	4 51	5 20	6 11	5 59
16	3 10	4 19	5 42	6 7	6 55	6 43
17	4 0	5 9	6 31	6 54	7 37	7 27
18	4 46	5 58	7 20	7 37	8 20	8 15
19	5 34	6 49	8 7	8 21	9 3	9 8
20	6 21	7 40	8 53	9 3	9 50	10 5
21	7 10	8 28	9 37	9 47	10 41	11 6
22	8 0	9 17	10 22	10 31	11 36	12 10
23	8 49	10 4	11 4	11 19	12 38	mor. 10
24	9 39	10 50	11 49	12 9	mor. 38	1 13
25	10 27	11 33	12 35	mor. 9	1 42	2 13
26	11 15	12 18	mor. 35	1 8	2 45	3 10
27	12 1	mor. 18	1 26	2 7	3 45	4 1
28	mor. 1	1 2	2 19	3 7	4 40	4 54
29	0 43	1 45	3 14	4 7	5 31	5 37
30	1 27	2 31	4 14	5 4	6 19	6 24
31	2 9	3 20		5 59		7 12

January hath xxxj. days.

● Full moon the 3 day, 25 min. past 3 in the morning.
☾ Last quarter the 10 day, 7 min. past in the morning.
● New moon the 18 day, 46 min. past 7 in the morning.
☽ First quarter the 25 day, 44 min. past 10 at night.

☉	☽	Holy-dayes with the Sunne rise and setting.	Moons sign	The Planets, Aspects, and change of Air, &c	Moons rising and setting.
1	a	New years D.	gem 28	*Freezing and Cold*	☾ Set 5 M 44
2	b	Sun set 3.56	canc 13	S S ☉ ♄ *winder.*	6 5
3	c	1 Sun af. Ch.	canc 28	*Fitting the season.*	Full D 6 A 9
4	d	Sun rise 8 1.	leo 13	△ ♀ ☽ 6 a. *Cloudy.*	7 24
5	e	Simeon	leo 28	*It may be Frost.*	8 37
6	f	Twelf Day	virg 12	△ ♃ ♂ 11 p. *Snow.*	9 47
7	g	Sun set 4. 2	virg 26	*Cold.* B q. ♂ ☉.	10 56
8	a	Erhard	libra 9	□ ♃ ☽ 1 a. *waver-*	12 8
9	b	Marcellus	libra 22	*ing and Cold.* Bq. ♂	mor. 8
10	c	1 Sun. af. Ep.	scor. 4	☿ *Frost like.*	1 17
11	d	Sun-ris. 7 52	scor. 17	Vc. ☉ ♂ *Mild.*	2 24
12	e	Arcade	scor. 29	*Fair.* Vc. ♂ ☿.	3 28
13	f	HILLARY	sagit 10	☉ 3. 25. ♒ *wind.*	4 30
14	g	Felix	sagit 22	♂ ☉ ♎ 6. 2 *and rain.*	5 27
15	a	Sun set 4.13	capr 4	Td. ♂ ♀ *Indifferent.*	6 16
16	b	Marcel.	capr 16	☾ Vac. curl.	6 59
17	c	2 Sun. af. Ep.	capr 28	♄ 24 26 ☿	New D 5 A 50
18	d	Prisca	aqua 10	*Fair and windy.*	6 54
19	e	Sun rise 7.41	aqua 22	*Mutable.*	8 1
20	f	Fab. Seb.	pisce 5	*Snow, or cold rain.*	9 9
21	g	Agnes	pisce 17	♂ ♄ ☿ ☌ ☊ *to be*	10 19
22	a	Sun set 4. 25	aries 0	*expected.* ✶ ☉ ☽.	11 29
23	b	Term begin	aries 13	✶ ☉ ☽ o.	12 43
24	c	3 Sun. aft. Ep.	aries 26	△ ♂ ♀ 7 p. *Cloudy.*	mor. 43
25	d	Conver. S. Pa	taur 9	△ ♃ ☽ 7. 2. *Fair.*	2 0
26	e	Sun rise 7.27	taur 23	□ ♂ ☽ 6 p. *wind.*	3 14
27	f	Quind: Hil	gem 7	☌ ♂ ☿ 5 2. *& Snow*	4 24
28	g	Carol. Mag.	gem 22	♂ ♄ ☽ 5 p. *Cold.*	5 25
29	a	Sun set 4.39	canc 6	*Temperate.*	6 18
30	b	K. Charls Ma	canc 12	*Not much amisse.*	
31	c	4 Sun a Epf.	leo 6	△ ♄ ♂ 4 a, *Warm.*	

Moons rising. Moons setting.

The { 5 Day at 9 night Mars / 14 Day at 2 morning: Venus / Same Day at 3 afternoon, Saturn / 15 Day at noon Juppiter / 18 Day at 2 afternoon Mercury / 26 Day at 3 afternoon the 7 Stars. } is with the Moon.

The 1 day, the morning Star riseth at 4 a Clock, and 26 min. in the morning.

D.	H.	M	Full Sea at London-bridge.
1	mor.	46	Captain *Hotham* beheaded, 1644:
2	1	50	Sir *John Hotham* beheaded,
3	2	53	Day increased 37 mins
4	3	56	☿ looks asquint:
5	4	55	Day 8 hours.
6	5	47	*England* is now in peace, and (through Gods blessing) shall so continue many years:
7	6	36	
8	7	21	
9	8	5	The Pious and learned Arch-Bishop of *Canterbury* murdered, 1644.
10	8	53	
11	9	39	The Regicides H: C: of Justice proclaimed, 1643
12	10	26	Day lengthened an hour:
13	11	13	
14	0	A	☽ ☉ ☿ 2 a: *juxta Eichstad:*
15	0	51	The morning Star riseth at 4 a Clock, and 29 min:
16	1	39	Day 8 hours 30 min: *Canis minor oritur vesperi, varius est ejus status:*
17	2	27	
18	3	14	The *Scots* invade *England*, 1644:
19	4	C	
20	4	44	
21	5	28	*Asellus boreus occidit mane.*
22	6	13	Day increased 1 ho. 30 min.
23	6	58	
24	7	43	Day 9 hours.
25	8	3	
26	9	27	Venus in her greatest Elongation from the Sun:
27	10	24	♂ oppoſeth ☿:
28	11	25	*Syrius oritur veſperi.*
29	12	26	Day increased 1 hour, 54 min:
30	mor	26	K: *Charles* I: moſt barbarouſly murder'd by the
31	1	29	bloody Regicides, 1648: *Animus meminiſſe horret:*

Full moon the 1 day, 35 min. past 2 in the afternoon.
Last quarter the 8 day, 31 min. past 9 at night.
New moon the 17 day, 8 min. past 1 in the morning.
First quarter the 24 day, 13 min. past 7 in the morning.

☽	☉	Holy dayes with the Sunn Rising and Set	Moons Signe	☽	The Planets, Aspects, and change of Air, &c.	Moons rising and setting	
1	D	Sun rise 7. 15	leo	21	☌ ♄ ☿ *Frost and*	Full ☽	
2	E	Purif. Mar	virg.	5	*perhaps some Snow.*	♋ A 7	Moon rise.
3	F	Blase	virg.	2	☍ ♂ ☉ ♋. : *warm*	7 22	
4	G	Sun set 4. 51	libra	3	♎ ♆ ☿ 8 *a and*	8 35	
5	a	Agatha	libra	17	*temperat*	9 49	
6	b	Dorothy	scor.	:	*Cloudy.*	10 53	
7	c	Septuagesi.	scor.	13	✶ ♆ ☽ ♋ 2. *Tempe-*	12 8	
8	D	Sun rise 7 1	scor.	25	*rate.* □ ♌	mor. 8	
9	E	Apoline	sagit	7	☉ *in* ♌. 46. ♐	1 15	
10	F	Scholastica.	sagit	19	*Some fleet:*	2 18	
11	G	Sun set 5 5	capr.	1	Vc . ♂ ☿	3 19	
12	a	Term-ends.	capr.	13	*Seasonable.*	4 10	
13	b	Wolfran	capr.	25	☌ ♆ ☿. ✶ ☿ ☽ 7. a	4 57	
14	c	Valentine	aqua	7	*Cloudy.* Vc. ♂ ♀	5 33	
15	D	Sun rise 5. 47	aqua	19	*warm.*	6 6	
16	E	Julian vir.	pisc.	1	✶ ♄ ☽ 3. a *Cold.*	6 31	
17	F	Dioscor.	pisc.	14	*Fair and frosty.*	New ☽	
18	G	Concord	pisc.	27	✶ ☿ ☿ . 1 a *Snow.*	7 A 2	Moon set.
19	a	Sun set 5. 21	aries	10	*Cleering.*	8 12	
20	b	Mildred	aries	24	*Overcast again.*	9 28	
21	c	Shrove-sun.	taur.	6	△ ♆ ☽ 9. p	10 40	
22	D	Peters chair	taur.	20	□ ♂ ☽ 6. a *Mild.*	11 58	
23	E	Sun rise 5. 11	gem.	4	*Some clouds*	13 8	
24	F	Ash wednes.	gem.	18	Vc ☉ ♂ *warm.*	1 A 8	
25	G	St. Matthia	canc.	2	☍ ♄ ☽ 3. a *Snow.*	2 17	
26	A	Sun set 5. 35	canc.	16	♋ ☉ ☿ ♍ *vain, &*	3 20	
27	b	Augustine	leo	1	*blustring winds*	4 15	
28	c	Sun in Lent	leo	15	*towards the end*	5 0	
29	D	Sun rise 6. 19	leo	29	*of the moneth.*	5 35	

The { 1 day at 5 night, Mars / 11 day at 2. morn. Saturn / 12 day at 6 morn. Jupiter / Same day at 10 night, Venus / 18 day at 6 morn. Mercury / 28 day at 1 afternoon, Mars } is with the Moon.

D	H.	M.	Full Sea at London-Bridge.
1	1	M 31	The 1 day the morning Star riseth at 4 a Clock,
2	3	28	and 42 min. in the morning.
3	4	19	Mars oppoſeth the Sun.
4	5	8	Day increaſed 2 hours, 22 min.
5	5	55	♄ in ☌ with ☿.
6	6	44	
7	7	3	
8	8	18	
9	9	6	Day 10 hours.
10	)	54	☿ in his greateſt evagation from ☉.
11	10	45	Captain *Burleigh* murder'd at *Winchester*, 1647.
12	11	34	The Rumps headlop'd off by G. *Monk*, 1660.
13	☌ A	24	Day lengthened 3 hours.
14	(	9	
15	1	56	*Mr. Beaumont* murder'd at *Pontfract*, 1648.
16	2	41	The morning Star riſeth at 4 a Clock, and 50
17	3	27	min.
18	4	12	
19	4	5	A bloody Sea-fight between the *Engliſh* and the
20	5	45	*Dutch*, wherein the *Dutch* were beaten, 1652.
21	6	35	
22	7	26	
23	8	22	Day 11 hours. At 2 p. m. the) covers Oc. ♉.
24	9	20	
25	10	21	*Lucida arietis* or m.
26	11	21	Day increaſed 3 hours, 53 min.
27	12	20	☿ with the ☉.
28	mor.	20	
29	(	17	

March hath xxxj days.

Full moon the 2 day, 9 min. past 2 in the morning.
Last quarter the 9 day, 20 min. past 5 at night.
New moon the 17 day, 32 min. past 3 afternoon.
First quarter the 24 day, 56 min. past 1 afternoon.
Full moon the 31 day. 16 min. past 2 afternoon.

El	☽	Holy dayes with the Sonne Rise. and Set.	Moone Signes	The Planets Aspects and change of Aire, &c	Moone rising and setting
1	D	David	virg. 14	☌ ☿ D 2p. *windy.*	6 M. 8 set
2	E	Chad	virg. 28	*Cold and dry.*	Full D
3	F	Sun set 5 48	libr. 12	✶ ♅ ☿ 6 a. *Freezing*	7 ♎ 30
4	G	Adrian	libr. 25	*and some wind.*	8 47
5	A	Eusebius	scor. 8	□ ♂ D 12 p. *Cloudy.*	9 58
6	B	2 Sun Lent.	scor. 21	*Store of rain.*	11 7
7	C	Sun rise 6 4	sagit 3	□ ☉ ♄ ☌ ☌ ♂ ♀ 9:	12 14
8	D	Cyprian	sagit 15	*Snow, or Sleet*	mor 14
9	E	Prudence	sagit 27	*about these days.*	1 15
10	F	Sun set 6. 2	capr. 9	Vc. ♅ ♂ *Fair.*	2 9
11	G	Cuniber	capr. 21	*Not much amisse.*	2 58
12	A	Gregory	aqua 3	✶ ☉ D 0. ☉ 2. 43. ♈	3 39
13	B	3 Sun Lent.	aqua 15	☌ ☌ D 11. a. *Warm.*	4 12
14	C	Sun rise 5.51	plic. 27	*and springing.*	4 41
15	D	Longine	pisc. 9	✶ ♅ D 10. p. *Fair.*	5 7
16	E	Boniface	pisc. 22	□ ♄ D 10. p. *Cloudy.*	5 30
17	F	Gertrud	aries 5	*No great alteration*	New D
18	G	Sun set 5.18	aries 19	△ ♂ D. *Some*	7 ♈ 18
19	A	Joseph	taur. 3	✶ ♄ ♀ 2. a. *Moisture.*	8 33
20	B	4 Sun: Lent.	taur. 17	*Cleezing.* ✶ ☿ D.	9 50
21	C	Benedict	gem. 1	Vc. ☌ ☿ *Some wind*	11 8
22	D	Sun rise 5.35	gem. 15	*Now sow your*	11 19
23	E	Paulinus	gem. 29	*Barly as fast as*	mor 19
24	F	Agapite Fast	canc. 13	*you can.* ☌ ♅ D 4. p.	1 24
25	G	Ann B. Mar.	canc. 27	*Fresh gales of*	2 21
26	A	Sun set 6. 33	leo. 11	☐ ☉ ♅ 6. a. *wind.*	3 9
27	B	5 Sun. Lent.	leo. 25	*Dark.* △ ♄ ☾ 4. p	3 46
28	C	Priscus	virg. 9	*wind.* ☌ ♄ ♀ *and*	4 17
29	D	Eustace	virg. 23	*Clouds.* ☌ ☿ D 10. a.	4 44
30	E	Sun rise 5.19	libr. 6	□ ♅ D 17 ✶ ♅ D 16	5 8
31	F	Guido	libr. 20	*Fair and temperate.*	Full D

Moons rising.

Moons setting.

The { 9 day at 1 afternoon, Saturn
10 day at 11 night, Jupiter
14 day at 3 morn. Venus
15 day at 2 afternoon, Mercury
21 day at 5 morn. the 7 Stars
26 day at 6 night, Mars } is with the Moon.

The 1 day, the morning Star riseth at 4 a Clock and 46 min.

D.	H.	M.	Full Sea at London Bridge,
1	2	M 11	
2	3	2	Day 11 hours 30 min.
3	3	50	*Templum* Hierosol. *secundum extructum:*
4	4	38	
5	5	27	
6	6	15	
7	7	4	Day increased 4 hours 32 min:
8	7	54	☌ opposeth ☿.
9	8	44	*D Hamilton,* Earl of *Holland,* and the valiant
10	9	32	Lo d *Capel* murder'd, 1649:
11	10	21	
12	11	9	*Martius à medio Ver ducit, Junius Æstum,*
13	11	55	*Autumnum September habet, Brumamq; December*
14	2	A 40	
15	1	27	The morning Star riseth at 4 a Clock, & 36 min:
16	2	12	Day 12 hours, 30 min.
17	2	59	
18	3	47	Dayes increased 5 hours, 16 min:
19	4	37	The Kings loyall Subjects confin'd, 1650
20	5	25	Every man now rests under his own Vine:
21	6	26	The 21 day at 7 night, Aldebaran will hang upon
22	7	18	the upper horn of the Moon:
23	8	20	
24	9	21	Day 13 hours:
25	10	21	
26	11	17	☿ in his greatest digression:
27	12	10	
28	morn	10	
29	0	55	*Brown Bushel* beheaded, 1651:
30	1	50	*Caput serpentis oritur V:*
31	2	38	Dayes lengthned 6 hours, 6 min:

April hath xxx days.

☾ Laſt quarter the 8 day, at 39 min. paſt 12 at noon.
● New moon the 10 day, 41 min. paſt 2 in the morning.
☽ Firſt quarter the 22 day, 8 min. paſt 8 at night.
○ Full moon the 30 day, 10 min. paſt 3 in the morning.

☿	☾	Holy dayes with the Sunn Riſ. and Set.	Moons Signs.	The Planets, Aſpects, and change of Air, &c.	Moons riſing and ſetting
1	S	Theodore	ſcor. 3	☌ ♄ ☽ ☍: a Cool	7 A 47
2	a	Sun riſe 5.13	ſc or. 16	□ ♂ ☽ ☌: *Wind*	8 59
3	b	Palm-ſunday.	ſcor. 29	□ ♄ ☿ ☍ a: *and*	10 7
4	c	Ambroſe	ſagit 11	*rain:* Vc: ♃ ♂:	11 [illegible]
5	d	Vincent	ſagit 23	□ ♀ ☽ ☌: a *Cloudy.*	12 11
6	e	Sun ſet 6. 55	capr. 5	□ ☿ ☽ ☍: a *variable.*	mor. 11
7	f	Egeſippus	capr. 17	△ ☉ ♄ 6: a *Hail:*	1 1
8	g	Good-Friday.	capr. 29	*Pretty good:*	1 44
9	a	Sun riſe 4.59	aqua 11	Bq. ♂ ♀: *Cloudy:*	2 20
10	b	Eaſter day	aqua 23	*Fair and warm*	2 51
11	c	Leo Pap.	piſc. 5	*fit for the time:*	3 17
12	d	Iulius	piſc. 17	☍ ♃ ☽ ☌: a *Cold:*	3 40
13	e	Sun ſet 7. 9	aries 0	□ ♄ ♀ 10 *rain:*	4 4
14	f	Tiburtius	aries 14	Td ♄ ☿ *variable:*	4 27
15	g	Olympia	aries 28	△ ♄ ☽ *The Wind*	4 49
16	a	Sun riſe 4.45	taur. 12	□ ♃ ☿ ☽ a *aloft*	New D
17	b	Low-ſunday.	taur. 27	△ ♂ ☿ 7: p *for ſome*	8 A 58
18	c	Valerian	gem. 11	*days:* ☉ 8: 53 ♉	10 15
19	d	Timothy	gem. 25	*Temperate:*	11 24
20	e	Sun ſet 7. 22	canc. 10	□ ♀ ☽ 5. a *moiſt:*	12 27
21	f	Adelarius	canc. 24	△ ♄ ☿ [illegible]. p: *Windy:*	mor 27
22	g	Emanuel	leo. 8	*Fair and good.*	1 17
23	a	St George	leo. 22	△ ♄ ☽ 13. *A mild*	[illegible] 57
24	b	1 Sun af. Ea-	virg. 6	△ ☿ ☽ 6: a *ſeaſon:*	2 28
25	c	St. Mark	virg. 9	*windy:* Td: ♃ ☿	2 56
26	d	Sun riſe 4.29	libra 2	Sq. ♃ ♂ *Fair:*	[illegible] 9
27	e	Term begin	libra 16	△ ☉ ♃ 0. *ſome win.*	3 42
28	f	Vitalis	libra 29	*Fair and ſeaſonable:*	4 5
29	g	Sybil.	ſcor. 1	□ ♃ ☿ 10. p *weath.*	4 [illegible]
30	a	Sun ſet 7. 38	ſcor. 25	*at the months end:*	Full D

Moons riſing

Moons ſetting

The { 5 day at 9 night, Saturn / 7 day at noon, Jupiter / 13 day at 7 morn. Venus / 14 day at 1 afternoon, Mercury / 24 day at 6 morn. Mars } is with the Moon.

The 1 day. the morning Star riseth at 4 a Clock, and 18 min. in the morn

D.	H.	M.	Full Sea at London-Bridge.
1	3	M 27	
2	4	14	The *Turk* may kill for a time prevail against
3	5	3	*Christendome*, but after a while, they shall fall and
4	5	5	come to nothing.
5	6	45	
6	7	34	Dayes increased 6 hours, and a half.
7	8	22	*Natalis Platonis.*
8	9	10	London Apprentices slain, 1648.
9	9	56	Day 14 hours.
10	10	45	
11	11	33	
12	A 11		
13	0	57	
14	1	45	The morning Star riseth at 3 a Clock, & 5 min.
15	2	33	*Tergum ♌ occidit mane, nebulaque cum rore caden-*
16	3	25	Day 14 hours, 30 min. *te gignit.*
17	4	22	
18	5	22	
19	6	23	*John Barkstead, John Okey, and Miles Corbet*, ex-
20	7	25	ecuted at *Tyborn* for their horrid treasons 1662.
21	8	24	*Pleiades orientur mane.*
22	9	20	
23	10	13	Day 15 hours.
24	11	4	A free Parliament convened at *Westminster* 1660
25	11	52	which by Gods special providence, puts an end to
26	12	39	our 20 years miseries and distractions.
27	mor.	3	
28	1	26	
29	2	13	
30	3	0	Days lengthened 7 hours, 56 min.

Moons rising

Moons setting

May hath xxxj days.

☾ Last quarter the 8 day, 21 min. past 6 in the morning.
● New moon the 15 day, half an hour before noon.
☽ First quarter the 22 day, 46 min. past 2 in the morning.
○ Full moon the 29 day, 2 min. past 5 in the afternoon.

D	☿ ☉	Holy dayes with the Suns Ris. and Set-	Moons Sign	The Planets Aspects, and change of Air, &c.	Moons rising and setting
1	♉	S. Ph. I. & Jac.	sagit. 7	*Fair.* ☉ ☍ ♂ 25. ♂	9 A 5
2	☿	Athanasius	sagit. 19	Bq. ♄ ☿ : ☌ ☍. ♀ ☿	10 6
3	♂	Sun rise 4 18	capr. 1	*Very high winds,*	11 1
4	♃	Florian	capr. 13	□ ♂ ☿ 9. p *if not*	11 46
5	♀	Gothard	capr. 25	♂ ☉ ☿ ☍. p. *thunder.*	12 25
6	♄	Sun set 7 47	aqua 7	*and hailing some*	mor 25
7	♅	Juvenal	aqua 19	*places.* △ ♄ ♀ ☽. p.	0 56
8	♇	Sun aft. Ea	pisc. 1	□ ☉ ♂ 1. p. *warm,*	1 23
9	☿	Job	pisc. 13	*No great alter a-*	1 47
10	♂		pisc. 26	*tion of the Air,*	2 10
11	♃	Sun rise 4.5.	aries 8	*for many days.*	2 31
12	♀	Gordian	aries 22	□ ♄ ☽ 3. a. *Fair &*	2 51
13	♄	Servarius	taur. 6	Td. ♆ ♀ *seasona-*	3 18
14	♅	Boniface	taur. 20	△ ♆ ☽ 2. a. *ble.*	3 46
15	♇	Rogat. Sun-	gem. 5	*Very warm.*	New ☽
16	☿	Sun set 8. 1	gem. 20	*A cool air.* ♌ ♂ ☿	9 A 9
17	♂	Dunstan	canc 5	✶ ♂ ☽ 7. a. *warm.*	10 18
18	♃	Potent	canc 20	♂ ♆ ☽ 6. a. Serene.	11 12
19	♀	Fifteen day.	leo 4	♂ ♄ ☿ 10. p. *wind.*	11 57
20	♄	Sun rise 3.55	leo 19	*and Clouds.*	12 37
21	♅	Julian vir.	virg 3	♂ ♂ ☽ 2. p. *Thund.*	mor 32
22	♇	Exaud	virg 16	*Fair and temperate.*	1 2
23	☿	Term-ends.	libr. 0	△ ♆ ♀ 8. p. *weather*	1 26
24	♂	Sun set 8. 10	libr. 13	Td. ♂ ♀ *Indiffer.*	1 47
25	♃	Urbane	libr. 26	✶ ♂ ☿ 11. p. *wind.*	2 9
26	♀	Bede	scor. 8	Vc. ♆ ☉ Bq. ♄ ☿.	2 30
27	♄	Nereus	scor. 21	*Weather suitable for*	2 55
28	♅	Sun rise 3.4(	sagit 3	*the Season.*	3 21
29	♇	Whitsunday.	sagit 16	K. CHARLES 2d	Full ☽
30	☿	Wigand	sagit 28	natus & Re-natus.	8 52
31	♂	Sun set 7 ((	capr. 10	*Unconstant.*	9 4

Moons-Rising. Moons-Setting. Rise

The 3 day at 3 morn. Saturn
The 4 day at 8 night, Jupiter
The 13 day at 8 morn. Venus
The 16 day at 11 morn. Mercury } is with the Moon.
The 21 day at 2 afternoon, Mars
The 30 day at 6 morn. Saturn
The 31 day at 11 night, Jupiter

The first day the Morning-Star riseth at 3 a clock and 15 min.

	ho.	min.	
	3	M 49	☿ *in tenebris*
4	0	41	The 4 day at 5 aftern. Mercury comes between
5		30	*Cor meum occidit mane.* (our sight and the upper
6	1	20	Day 15 ho. 30 min. (part of the Sun, accord-
7		8	ing to *Affron. Ephemeris.*
7	7	54	Dayes encreased 8 ho. 15 min.
7	8	39	Let every man be subject to the higher Powers,
8	9	22	for the Powers that be are ordained of God.
9	10	6	
10	10	51	
11	11	36	
12	0 A	21	Earl of *Strafford* beheaded, 1641. The 12 and
13	1	14	13 day is a Fair at *Albrighton* in the County of
14	2	8	Day 16 hours. (*Salop.*
15	3	6	The Morning-Star riseth just at 3 a clock.
16	4	9	*Sept.* 9 Petitioners murd. at *Westminster*, 1648.
17	5	13	
18	6	13	*Procyon occidit Heliacè, aq; hot tempest. sidus*
19	7	13	*aut in collis vina.*
20	8	9	☿ opposeth ♄.
21	9	1	Earl of *Montross* murd. at *Edinburg*, 1650.
22	9	55	
23	10	35	
24	11	22	Dayes encreased 9 hours.
25	12	8	
26	mor.	8	
27	0	54	
28	1	41	Day 16 ho. and 30. min.
29	2	31	His Royal Majesty King *Charles* 2^d^ most happily
30	3	20	returned to *London*, 1660. to the great comfort
31	4	11	of us his people. Fear God, honour the King.

☾ Laſt quarter the 6 day, 4 min. paſt 9 at night.
● New moon the 13 day, 51 min. paſt 6 afternoon.
☽ Firſt quarter the 20 day, 44 min. paſt 10 morning.
○ Full moon the 28 day, at 8 in the morning.

♎ ♑	♐ ♒	Holy daies, with Sun. Riſ. & Set.	Moons Sign.	The Planets Aſpects, and change of Ayr, &c.	Moons Riſ. & Set.
1	E	Sun riſe 3. 44	Capr. 22	☌♄♀ 2 p. *Apertio*	10 A 21
2	F		Aqua. 3	*Portarum* to wind.	10 56
3	G	Eraſmus	Aqu. 15	✶♄☽ 19. *Cold.*	11 23
4	A	Sun ſet 8. 17	Aqua. 27	*Apertio Portarum*	11 45
5	B	Trinity Sun.	Piſc. 9	☌☉♄ 10 a. *to hail,*	12 10
6	C	Claudius	Piſc. 21	*rain, and thunder.*	mo. 10
7	D	Sun riſe 3. 41	Aries 4	✶♀☊ 9. *Cloudy.*	0 30
8	E	Medardus	Aries 17	*Hic dies eſt criticus;*	0 5
9	F	*Corp. Chriſti*	Taur. 0	*nam pluvioſus pluvi-*	1 14
10	G	Term begins	Taur. 14	*am, ſerenus, ſerenam*	1 41
11	A	S. Barnabas	Taur. 28	*meſſem pollicetur.*	2 12
12	B	1 Sun. aft. *Ty.*	Gem. 13	*Some drops.*	2 51
13	C	Sun ſet 8. 19	Gem. 28	☌♄☽ 6 a. *Coole.*	New ☽
14	D	Valerius	Canc. 13	*Fair and warm.*	8 A 55
15	E	Vitus	Canc. 28	Ve. ♑ ♀. *temper.*	9 41
16	F	Ruland	Leo 13	✶♀☽ 2 p. ☌☉♂.	10 28
17	G	Sun riſe 3. 42	Leo. 28	*Some moiſt clouds.*	10 59
18	A	Marcel	Virg. 12	*Warm and temperate.*	11 26
19	B	2 Sun. aft. *Ty.*	Virg. 26	☒♄☽ 7 a. *Some*	11 48
20	C	Silverius	Libra 9	□♂♀ 7 a. *ſhowers*	12 11
21	D	Sun ſet 8. 17	Libr. 23	*of rain.* △☽♀.	mo. 11
22	E	Albany	Scor. 5	✶♑☽ 14. *Haſty*	0 33
23	F	Etheldred	Scor. 18	☌♄♀ 3 p. *ſhowers*	0 56
24	G	S. John Bapt.	Sagit. 0	☌♑☉ 4 a. *and*	1 20
25	A	Sun riſe 3. 45	Sagit. 12	*thunder.* ☒☌☽ 22.	1 51
26	B	3 Sun. aft. *Ty.*	Sagit. 24	♑ Occid. *Hail*	2 27
27	C	7 Sleepers	Capr. 6	□♄☌ 2 a. *and*	3 9
28	D	Sun ſet 8. 13	Capr. 18	*thunder.* △☌☽.	Full ○
29	E	S. Peter Ap.	Aqua. 0	Term ends.	8 A 55
30	F	Com of Paul	Aqua. 12	✶☌☿♀ 11 a. *Hail.*	9 36

Moons-Riſing.

The 12 day at 6 morn. Venus
The 15 day at 9 morn Mercury
The 18 day at 11 night, Mars
The 26 day at 9 morn. Saturn
The 27 day at 11 night, Jupiter
} is with the Moon.

The 1 Day the morning Star riseth at 2 a Clock and 35 min. in the morning.

D.	ho.	min.	
1	4 M	59	*Full Sea at* London-bridge.
2	5	46	Day 16 ho. 32 min.
3	6	32	Kentish Petitioners murder'd, 1648.
4	7	14	
5	7	56	☿ in his greatest Elongation. ☌♄☉ 0. *Eichstad.*
6	8	41	*Procyon occidit vesperi.*
7	9	24	
8	10	9	Sir *Henry Slingsby* and Dr. *Huet* murd. 1658.
9	10	57	
10	11	49	The longest day containing 16 ho. 40 min.
11	12	45	Shortest night 7 ho. 20 min.
12	1 A	45	*Hæc duo solstitium faciunt, Cancer, Capricornus;*
13	2	48	*Sed noctes æquant, Aries & Libra diebus.*
14	3	51	
15	4	53	The morning-star riseth at 2 a clock & 23 min.
16	5	53	*Arcturus manè occidit, & aerus est intemperies.*
17	6	48	
18	7	35	
19	8	27	
20	9	14	
21	10	1	*Oxford* Treaty ended, 1646.
22	10	47	
23	11	33	
24	12	21	Day 10 ho. 30 min. ☌☉♃ 52. By *Eichstad.*
25	mor.	21	*Oxford* surrendred, 1646
26	1	11	Some factious spirits are too busie, and may soon
27	2	1	destroy themselves, if they take not heed.
28	2	50	
29	3	39	
30	4	23	Day is shortned 19 min.

☌ Last quarter the 6 day, 54 min past 8 in the morn.
● New Moon the 13 day, 8 min. past 1 in the morn.
☽ First quarter the 19 day, 6 min. past 9 at night.
○ Full Moon the 27 day, 6 min. past 11 at night.

Mo	Cal	Holy dues with Sun Rif & Set.	Moons Sign.	The Planets Aspects & change of Air, &c.	Moons Rif. & Set.
1	g	Sun rise 3.51	Aqua 24	☌ ♄ ☽ 10 a. *Cloudy.*	9 A, 8
2	a	Visit. B. Virg.	Pisc. 6	*Not much unlike.*	10 11
3	b	4 Sun af *Tr.*	Pisc. 18	Vc ♄ ☿ *Variable.*	10 32
4	c	Ulric.	Aries 0	☍ ☉ ☿ 0. *Wind*	10 51
5	d	Sun set 8.5.	Aries 13	*and rain.* Vc ☾ ♄	11 13
6	e	Hector	Aries 26	☐ ☿ ☽ 3 a.	11 36
7	f	Thom. Mar	Taur. 9	☍ ♅ ☿ 10 p. *A fair*	12 5
8	g	Chilien	Taur. 23	*and seasonable*	mo. 5
9	a	Sun rise 3 59	Gem. 7	*time. Quid si---*	☽ 40
10	b	5 Sun. af. *Tr.*	Gem. 22	*Wind and clouds.*	1 22
11	c	Pius	Canc. 7	☍ ♅ ☽ 6 p. *Warm.*	2 12
12	d	Transf. Tho	Can. 21	*Overcast.* ☌ ☿ ☿ ☽	3 13
13	e	Sun set 7 54	Leo 7	☌ ☿ ☿ 9 p. *Winds*	New ☽
14	f	Bonavent.	Leo 21	*and wet.* △ ♄ ☽	8 A 52
15	g	Swithin B.	Virg. 7	△ ♅ ☽ 5 p. *Fair.*	9 22
16	a	Sun rise 4.11	Virg. 21	*Cloudy.* Vc ♄ ☿.	9 49
17	b	6 Sun. af. *Tr*	Libra 5	*Hot.* ☐ ♅ ☽ 7 p.	10 12
18	c	Matern	Libr. 19	✶ ☉ ♂ 4. *Heat and*	10 32
19	d	Dog da. beg.	Scor. 2	*Thunder.* ☾ ♂ ☿	10 56
20	e	Sun set 7.43.	Scor. 15	△ ☿ ☽ 9 p. *Wind.*	11 20
21	f	Diniel	Scor. 27	☌ ♄ ☿ *Moist.*	11 51
22	g	Mary Magd.	Sagit. 10	*Warm.* ✶ ♂ ☽ 9 a.	12 26
23	a	Sun rise 4.21	Sagit. 22	☐ ♅ ♂ 9 p. *Wind,*	mo. 26
24	b	7 Sun. af. *Tr.*	Capri. 3	*Hail, and Thunder.*	1 2
25	c	S. James Ap.	Capr. 15	*Not amiss.* ☾ ♄ ♂	1 51
26	d	Sun set 7.34.	Capr. 27	☍ ☿ ☽ 6 a. *Fair.*	2 41
27	e	Martha	Aqua. 9	*No bad Newes.*	Full ☽
28	f	Panthal	Aqua. 21	☌ ♄ ☿ *Mutable.*	7 A 52
29	g	Sun rise 4.31	Pisc. 3	✶ ♅ ☽ 11 p. *Fair.*	3 16
30	a	Beatrice	Pisc. 15	*The weather not much*	8 32
31	b	8 Sun. af. *Tr.*	Pisc. 27	*differing.*	8 58

The 12 day at 2 in the morn. Venus
The same day at 6 morn. Mercury
The 17 day at noon, Mars
The 23 day at noon, Saturn
The 24 day at 11 night, Jupiter
} is with the Moon.

The 1 day the Morning-Star riseth at 2 a clock and 29 min. in the morning.

D	ho.	min.	
	1	M 6	*Full Sea at* London-Bridge.
	2	50	The great Fight on *Marston-Moor*, 1644.
	3	34	
	4	16	Mercury with the Sun.
	5	59	Day shortned half an hour.
	6	45	*Francis* Lord *Villiers* slain, 1648.
	7	33	
	8	10 26	
	9	11 24	Day 16 hours.
	10	☽ A 24	Mr. *Gerard* and Mr. *Vowel* murdered, 1654.
	11	1 26	
	12	2 30	
	13	3 31	*Don Pantaleon Sa* beheaded, 1654.
	14	4 29	☿ with ☿
	15	5 24	The Morning-Star riseth at 2 a clock & 55 min.
	16	6 16	
	17	7 6	Dr. *Lewens* murd. 1650.
	18	7 52	
	19	8 40	Day 15 ho. 30. min.
	20	9 27	Beware of treason, else to the Pot.
	21	10 16	
	22	11 6	
	23	11 55	Dayes shortned 1 ho. 22 min.
	24	12 45	*Burleigh*-house taken, 1643. and many poor Countreymen barbarously murd. in *Rutland* the same day.
	25	mor. 45	
	26	1 33	
	27	2 21	The whole Moon will be eclipsed, at 22 min. past
	28	3 7	Day 14 hou. (11 at night, to be seen in the South.
	29	3 49	
	30	4 33	A great fight between the *English* & *Dutch*, where-
	31	5 15	in the *Dutch* Admiral *Trump* was slain, 1653.

☾ Last quarter the 4 day, 5 min past 6 in the afternoon.
● New moon the 11 day, 22 min past 9 in the morning.
☽ First quarter the 18 day, 30 min. past 10 before noon.
● Full moon the 26 day, 5 min. past 3 in the afternoon.

Day	Day	Holy daies, with Sun. Rise & Set	Moons Sign.	The Planets Aspects, and change of Ayr, &c.	Moons Rise & Set
1	☾	*Lammas day*	Aries 10	*Scarce fair.*	☽ A 18
2	☽	Sun set 7. 21	Aries 22	△♄☽ 10 a. *Cool.*	9 41
3	☾	Aristarchus	Taur. 6	☿ Perihelion. *Good*	10 8
4	☾	Justin	Taur. 19	*Temperate Harv.*	10 41
5	☾	Oswaldus	Gem. 2	*Pleasant enough.*	11 17
6	☾	Sun rise 4. 46	Gem. 16	☌☿☿ *Variable*	12 2
7	♋	9 Sun. aft. ♈	Canc. 1	*Hasty showers.*	mor. 1
8	☾	Cyriac	Canc. 15	*Very hot.* ▨♂☽.	0 57
9	☽	Sun set 7. 8	Leo 0	△♄☿ 10 p. *Cold*	2 2
10	☾	Laurence	Leo 15	*rain.* ✶♂☿ 0.	3 14
11	☾	Clare Vir.	Virg. 0	*Cloudy and cold.*	New ☽
12	☾	Sol in *my.*	Virg. 15	♂☿☿ 12 p. *wind*	7 A 52
13	☾	Sun rise 5. 6	Libra 0	*and clouds.*	8 16
14	♎	10 Sun. af. ♈	Libr. 14	☐☿☽ 2 a. *Fair.*	8 40
15	☾	*Assum. B. Virg.*	Libr. 28	Td ☉♄. *Overcast.*	9 3
16	☽	Rochus	Scor. 11	Td ♄☿. *windy.*	9 26
17	☾	Sun set 6. 52	Scor 24	♂☉☿ 11 p. *Turbu-*	9 56
18	☾	*Helen* Qu.	Sagit. 6	*lent winds.*	0 27
19	☾	Sebaldus	Sagit. 18	Td ♄☿. ♂♄☽ 6 p	11 7
20	☾	Athanasius	Capr. 0	△☿☉ 4 p. *Mixt wea.*	11 53
21	♎	11 Sun af. ♈	Capr. 12	*Very temperate*	12 42
22	☾	Sun rise 5. 18	Capr 24	☿ stat in ▨☿ 12. &	mo. 42
23	☽	Ludovick	Aqua. 6	*seasonable.*	1 37
24	☾	S. Bartho. Ap.	Aqua 18	✶♄☽ 8 p. *Mild.*	2 38
25	☾	Sun set 6. 37	Pisc. 0	*Flying clouds.*	3 42
26	☾	Irenæus	Pisc. 12	▨♄☿ 9 p. *Cold and*	Full ☽
27	☾	Dog day end	Pisc 24	*windy.* ▨♄☽ 7 a.	7 A 14
28	♎	12 Sun. af. ♈	Aries 7	☐☿☽ 2 p. *Temperate.*	7 33
29	☾	Sun rise 5 30	Aries 20	*clouds.* △♄☽ 4 p.	7 54
30	☽	S. John behe.	Taur. 3	*Showers and thun-*	8 19
31	☾	Paulinus	Taur. 16	♂☉☿ 7 a. *der.*	8 48

The 10 day at 9 night, Mercury
The same day at 11 night, Venus
The 15 day at 5 morn. Mars
The 19 day at 6 afternoon, Saturn
The 21 day at 3 morn. Jupiter
} is with the Moon.

Venus is with the Sun, the 31 day, and cannot be seen this moneth. The 1 day she riseth at 3 a Clock and 44 min.

D.	ho	min.	
			Full Sea at London *bridge.*
1	5	M 58	Sir *George* (now Lord) *Booth* up in *Cheshire*, de-
2	6	43	clares for a free Parliament, 1659.
3	7	30	
4	8	21	*Sirius oritur mane. Maria fervent, fluctuant in*
5	9	16	*Dayes 14 ho. 30 min. cellis vina, movent ur*
6	10	12	*stagna, canes in rabiem aguntur.*
7	11	12	
8	12	14	The Scots Army enter *England*, 1651.
9	1	A 15	Day shortned 2 ho. 24 min.
10	2	14	
11	3	11	
12	4	6	*Venus* with *Mercury.*
13	4	57	Day 14 *hours.*
14	5	48	♀ *in tenebris.*
15	6	37	
16	7	28	
17	8	15	Day shortned 2 ho. 56 min.
18	9	4	
19	9	55	
20	10	46	Day 13 ho. 30 min.
21	11	34	
22	12	23	Mr. *Love* and *Gibbons* beheaded, 1651.
23	mor.	23	*Cauda* ♌ *oritur mane.*
24	1	10	
25	1	56	
26	2	39	
27	3	24	
28	4	8	The 29 Day 13 ho.
29	4	51	Sir *Charles Lucas* and Sir *Geo. Lisle* basely murde
30	5	37	at *Colchester*, 1648.
31	6	26	*Venus* is with the Sun, and becomes Occidental.

Septembet hath xxx. daies.

☾ Laſt quarter the 3 day, 42 min. paſt 1 in the morning
● New moon the 9 day, 21 min. paſt 6 in the afternoon.
☽ Firſt quarter the 17 day, 44 min. paſt 3 in the morn.
○ Full moon the 25 day, 46 min. paſt 5 in the morn.

☌ ☍ ☿ ☽ ☉ ♂ ♃ ♄ ♀ ♅ ♆	Holy daies with Sun Riſ. & Set	Moons Sign	The Planets Aſpects and change of Air. &c.	Moons Riſ. and Set.
1	☾ Sun ſet 6 23.	Taur. 29	*Fair and Windy.*	☽ A 23
2	♐ Veronica	Gem. 12	Td ♅ ☿ *Rain,*	10 5
3	♑ Gregory	Gem. 26	□ ♄ ☿ 6 a. *and cold*	10 57
4	♒ 13 Sun. af. Tr	Canc. 10	□ ☉ ♄ 2 a. *weather.*	11 54
5	♓ Bertine	Canc. 25	*Milder.* ✶ ♅ ♂ 12 p.	13 3
6	☽ Sun riſe 5.48	Leo 9	☌ ♄ ☿ *Wavering.*	1 M 3
7	♈ Gorgon	Leo 24	*Cloudy.* △ ♄ ☽ 8 a.	2 16
8	♉ Nat. B. Virg	Virg. 8	*Warm.* ✶ ♂ ☽ 1 p.	3 33
9	♊ Silvius	Virg. 23	□ ♄ ☽ 9 a. *Dark.*	New ☽
10	♋ Sun ſet 6. 4.	Libr. 8	□ ♅ ☽ ☉. *Temperate.*	6 A 47
11	♌ 14 Sun af. Tr	Libr. 22	*Cold and windy.*	7 8
12	♍ Guidon	Scor. 6	*Serene.* ✶ ♅ ☽ 4 p.	7 3
13	♎ Amantius	Scor. 19	♂ ♅ ☽ 1 a. *Moiſt.*	8 2
14	♏ Exalt. Cr.	Sagit. 2	*Scattering Clouds.*	8 37
15	♐ Sun riſe 6.6	Sagit. 14	✶ ♄ ☿ 1 p. *wind,*	9 11
16	♑ Edith	Sagit. 26	□ ♄ ☿ 7 p. *Cold rain.*	9 54
17	♒ Lambert	Capr. 8	*More temperate*	10 41
18	♓ 15 Sun. af. Tr	Capr. 20	*weather makes us*	11 36
19	☾ Sun ſet 5. 46	Aqua. 2	*amends.*	12 3
20	☽ Fauſta	Aqu 14	*Warm. Cloudy.*	mo. 34
21	♈ S. Matthew	Aqu. 26	□ ☉ ♅ 3 p. *Fair*	1 31
22	♉ Victor	Piſc. 8	*and windy.*	2 40
23	♊ Sun riſe 6 22	Piſc. 20	☒ ♄ ☽ 4 p. *Cold.*	3 48
24	♋ Rupertus	Aries 3	□ ♅ ☽ 11 p. *Remiſs,*	4 53
25	♌ 16 Sun. af. Tr.	Aries 16	*Scarce fair.*	Full ☽
26	♍ Cyprian	Aries 29	SS ♅ ♂ *Hail.*	6 A 33
27	☽ Sun ſet 5. 30	Taur 12	*Fair and windy.*	7 1
28	♎ Wencel	Taur. 26	SS ♂ ☿ *Some drops.*	7 34
29	♏ S. Michael A.	Gem. 9	*The moneth ends*	8 15
30	♐ Sun riſe 6.36	Gem. 20	*pritty kindly.*	9 0

Moons Riſing

Moons Setting

Moons Riſ.

The 9 day at 10 night, Venus
The 11 day at 2 morn. Mercury
The 13 day at 1 morn Mars
The 16 day at 3 morn Saturn
The 17 day at noon, Jupiter
} is with the Moon.

Venus begins to be an Evening-Star, but is so near the Sun, that she cannot be seen this Month.

D.	ho.	min.	
1	7 M	18	*Full Sea at* London-Bridge.
2	8	14	
3	9	11	
4	10	12	*Exit Tyrannus ille magnus* Oliver Cromwel, *anno penultimo servitutis Angliæ*, 1658.
5	11	11	Day 12 ho. 30 min.
6	A	9	
7	1	6	
8	1	59	Daies shortned 4 ho. 24 min.
9	2	52	
10	3	43	
11	4	34	
12	5	24	Equal day and night.
13	6	14	Duke of *Glocester* died, 1660.
14	7	7	*Zodiaci caput est Aries & veris & anni,*
15	7	57	*Æstatis Cancer, Autumni pendula Libra;*
16	8	48	*Incipit ex imo pluvialis Hyems Capricorno.*
17	9	37	*Lucida Coronæ oritur mane.*
18	0	26	*Hirundines catervatim recedunt, ex ortu Arcturi matutino.*
19	1	13	
20	1	59	Day 11 ho. 30 min.
21	2	43	
22	mor.	43	
23		28	
24	2	10	
25	2	55	
26	3	41	
27	4	32	Day 11 houres.
28	5	25	
29	6	20	
30	7	20	Day shortned 5 ho. 54 min.

October hath xxxi. daies.

☾ Last quarter the 2 day, 52 min. past 8 in the morning.
● New moon the 9 day, 28 min. past 5 in the morn.
☽ Pirst quarter the 16 day, 55 min. past 11 at night.
○ Full moon the 24 day, 22 min past 7 at night.
☾ Last quarter the 31 day, 22 min past 4 in the afternoon.

☌ ☍	Holy daies, with Sun. Rif. & Set.	Moons Sign.	The Planets Aſpects, and change of Ayr, &c.	Moons Rif. & Set.	
1	Remigius	Canc. 7	*No great* ☌♅♀.	9 A 55	Moons Rif.
2	17 Sun. af. *Tr.*	Canc. 21	□♀☽ 12 p. *change*	10 58	
3	Sun ſet 5. 18	Leo 5	*of the weather*	12 9	
4	Francis	Leo 19	☿ *Longiſſimè excurrit.*	mor. 9	
5	Conſtance	Virg. 3	*à* ☉. *not till the*	1 22	
6	Faith Virg.	Virg. 18	✶☉♄ 8 a. *Haile.*	2 39	
7	Sun riſe 6. 50	Libr. 2	*middle* ✶♂☽ 8 a.	3 56	
8	Pelagius	Libr. 16	*of the moneth.*	5 1	
9	18 Sun af. *Tr.*	Scor. 0	✶♄☽ 1 a. *Cloudy.*	New ☽	
10	Gedeon	Scor. 14	*Temperate and*	6 A 10	
11	Sun ſet 5. 1	Scor. 27	☌☉♅. *good air.*	6 38	
12	Calixtus	Sagi. 10	*No ſenſible alte-*	7 11	
13	Tranſ. Ed.	Sagi. 22	✶♅♀ 2 a. *ration*	7 53	
14	Sol in ♏	Capr. 4	*of the weather as*	8 40	Moons Setting.
15	Sun riſe 7. 7	Capr. 16	*yet, but fair and*	9 32	
16	19 Sun. af. *Tr.*	Capr. 28	☽ Apog *good.*	10 27	
17	Florence	Aqu. 10	*Warm* ✶♂☽ 6 a.	11 28	
18	S. Luke Evan	Aqu. 22	□♀☽ 3 a. *Variable.*	12 30	
19	Sun ſet 4. 44	Piſc. 4	♂♀☿ 7 p. *Winde.*	mo. 30	
20	Tres Mich.	Piſc. 16	*Snow, or ſleet.*	1 35	
21	Urſula	Piſc. 28	□♄☽ 5 a. *Cold.*	2 42	
22	Sun riſe 7. 21	Aries 11	*Fair.* ⊡♅☽. △♂☽.	3 51	
23	20 Sun. af. *Tr.*	Aries 24	*Some clouds.*	5 0	
24	Term begins	Taur. 7	△♅☽ 11 p. *Windy.*	Full ☽	
25	Criſpine	Taur. 21	♂☉☿ 7 p. *Winde*	5 A 35	Moons Rif.
26	Sun ſet 4. 32	Gem. 5	*and perhaps rain.*	6 14	
27	*Menſ. mic Faſt*	Gem. 19	SS ☉♂. *Hail in*	6 57	
28	S. Sim. & Jud	Canc. 4	*ſome* △☿☽ 9 p.	7 51	
29	Narciſſus	Canc 18	*places.* ♂♅☽ 6 a.	8 52	
30	21 Sun. af. *Tr.*	Leo 2	△♀☽ 1 p. *Not*	10 1	
31	Sun riſe 7. 35	Leo 16	*much amiſs*	11 13	

The 10 day at 1 in the morn. Venus
The 11 day at 2 morn. Mercury
The same day at midnight, Mars } is with the Moon.
The 13 day at 3 afternoon, Saturn
The 15 day at 2 morn. Jupiter
The 1 day the Evening-star sets at 5 a Clock and 39 min. at night.

D.	ho	min.	*Full Sea at* London-Bridge.
1	8	M 17	
2	9	15	☿ in his greatest distance from ☉.
3	10	1	*Spica nt oritur manè.*
4	11	6	
5	11	59	Day 10 ho. and a half.
6	0	A 50	
7	1	39	Mr. *Benson* murd: 1650.
8	2	30	
9	3	20	☿ playes Bo-peep.
10	4	11	
11	5	2	Day 10 houres.
12	5	53	
13	6	46	*Harison* that Arch Traitor, exec. at *Charing-cross*,
14	7	37	The Even star sets at 5 a clock & 19 min. (1660
15	8	26	*John Carew* executed in the same place.
16	9	13	*John Cook*, *Hugh Peters*, *Tho. Scot*, *Greg. cle-*
17	10	0	*ment*, *Adrian Scroop*, and *John Jones*, execu-
18	10	43	ted for their horrid Treasons.
19	11	27	*Dan. Axtell* executed at Tyburn, and *Francis*
20	12	9	*Hacker* only hanged.
21	mor.	9	☌ ☉ ☿ 10 a. according to *Argol.*
22	0	53	Day shortened 7 ho. 24 min.
23	1	37	☽ *sub radiis.* (Moon, d. 25.
24	2	25	The 7 Stars in the East, on the north side the
25	3	15	☌ ☉ ☿ 3 p. according to *Eichstadius*, See our
26	4	14	Calculation in the Appendix.
27	5	13	Day 9 houres. The 29 & 30 dayes is a Fair at
28	6	13	*Albrighton* in the County of *Salop.*
29	7	13	The Evening-Star sets at 5 a Clock and 3 min.
30	8	10	*Bradshaw* (that monster of men) died the 31
31	9	5	day, 1659.

● New Moon the 7 day, 14 min. past 7 at night.
☽ First quarter the 15 day, 13 min past 9 at night.
● Full Moon the 23 day, 55 min. past 7 in the morning.
☾ Last quarter the 30 day, 5 min. past in the morning.

		Holy daies, with Suns Ris. & Set	Moons Sign	The Planets Aspects, and change of Air, &c.	Moons Ris. & set.	
1	☌	All Saints	Virg. 0	☌☿ ☿ variable.	1 A 26	Moons Rising.
2	☍	All Soules	Virg. 4	Frost-like.	mo. 26	
3	☐	Sun set 4 17.	Virg. 28	☽♄☽ 8 a. Cloudy.	1 42	
4	△	Amantius	Libr. 12	Fair. □♅☽ 5 p.	2 58	
5	✱	Powder Plo	Libr. 25	✱♂☽ 4 a. Fair	4 13	
6	♑	12 Sun. af. Tr	Scor. 9	✱♅☽ 12 p. weather.	5 28	
7	☾	Sun rise 7.49	Scor. 22	Indifferent.	New ☽	
8	☽	Claudius	Sagit. 5	☌☿☽ 19. Not amiss.	5 A 5	
9	☿	Theodore	Sagit. 18	☍☍ ♅☿ Temperate.	5 44	
10	☿	Eraſtus.	Capr. 0	Snow-like.	6 27	
11	♂	Sun set 4. 5.	Capr. 12	S. Martin Winds.	7 16	
12	♃	Patern	Capr. 24	☌♄♂ 10 p. rain	8 11	Moons Setting.
13	♒	23 Sun af. Tr	Aqua. 6	and baite theſe	9 10	
14	♄	Friderick	Aqu. 18	daies. ✱☿☽ 9 p.	10 12	
15	♅	Sun rise 8.0.	Piſc. 0	✱♄☽ 7 a. ✱♂☽ 10 a.	11 15	
16	☿	Edmond	Piſc. 12	Something windy.	12 21	
17	☿	Hugh	Piſc. 24	✱♅☿ 7 p. windy.	mo. 21	
18	♂	Gelaſius	Arles 6	□☌☽ Cold rain,	1 27	
19	♃	Sun set 3.55.	Aries 19	☌♄☿ 4 a. or Snow	2 37	
20	♒	24 Sun. af. Tr	Taur. 2	theſe daies.	3 47	
21	☾	Oblat. Mar.	Taur. 16	△♅☽ 4 p. Fair.	5 0	
22	☽	Cecilie	Gem. 0	☌☿☽ 1 a. uncon-	6 15	
23	☿	Clement	Gem. 14	ſtant. ☌♄☽ 23.	Full ☽	
24	☿	Sun rise 8.10	Gem. 29	☍☍ ♄☿ rain at night.	5 A 33	Moons Rising.
25	♂	Katharine	Canc. 14	clearing. ☌♅☽	6 29	
26	♃	Conrade	Canc. 28	△☿☽ 3 p. Cold.	7 38	
27	♒	Advent Sun.	Leo 13	☌☌☿ 3 p. Apert.	8 52	
28	☾	Term ends	Leo 27	port. to rain and	10 7	
29	☽	Sun set 3.48.	Virg. 11	Snow. △☌☽ 9 a.	11 21	
30	☿	S. Andr. Ap.	Virg. 25	□♄☽ 7 p. Dark	12 35	

The 6 day at 7 morn. Mercury.
The 9 day at 7 morn. Venus
The 10 day at 1 morn. Mars } is with the Moon.
The same day at 5 morn. Saturn
The 11 day at 8 night, Jupiter.

The 1 day the Evening-Star sets at 5 a clock and 0 min at night.

D.	ho	min	*Full Sea at London Bridge.*
1	9	M 57	
2	10	47	
3	11	36	The Long Parliament began, 1640.
4	0	A 24	
5	1	12	Day 8 ho. 30 min.
6	1	59	
7	2	50	
8	3	41	
9	4	34	
10	5	25	
11	6	15	*Occidunt Pleiades mane.* ☿ is at his greatest di-
12	7	4	stance from the Sun. ☌ ♄ ♂ 9 p. *Lib.*
13	7	50	A direful Conjunction of Saturn and Mars, ♄ su-
14	8	34	Day shorned 8 ho. 32 min. (perior.
15	9	17	The Evening-star sets at 4 a clock and 58 min.
16	10	1	Day 8 ho.
17	10	43	
18	11	28	K. *Charles* graciously offers to and differences by
19	12	9	a Personal Treaty, 1647.
20	mor.	9	Day shorned 8 ho. 32 min.
21	0	58	
22	1	48	A rebellious Remonstrance came forth by the
23	2	44	means of *Oliver Cromwel*, 1648.
24	3	44	The 22 day at 8 night, the Moon will hide the
25	4	48	Bulls eye from our sight.
26	5	51	*Arcturus occidit Heliace.* (West.
27	6	54	Day 8 ho. 30 min. ☌ 14 min. above ☿ in the
28	7	46	The treaty ended in the Isle of *Wight*, 1648.
29	8	37	The Fanatick is never at peace within himself.
30	9	25	

● New moon the 7 day, 4 min. before high noon.
☽ Firſt quarter the 15 day, 21 min. paſt 5 at night.
● Full moon the 22 day, 32 min. paſt 7 at night.
☾ Laſt quarter the 29 day, 28 min. paſt 11 before noon.

N.	☽	Holy daies, with Sun. Riſ. & Set.	Moons Sign.	The Planets Aſpects, and change of Ayr, &c.	Moons Riſ. & Set.	
1	☾	Longinus	Libra 9	☌☉♅. *Sleet, or*	mo. 3	Moons Riſing.
2	☾	Sun riſe 8.17	Libr. 22	*rain.* □♅☽ 10 a.	1 48	
3	☾	Caſſian	Scor. 5	*More ſerene.*	3 3	
4	♏	2 Sun. in Adv.	Scor. 18	*A mixt weather.*	4 18	
5	☾	Sabine	Sagit. 1	*Reaſonable good.*	5 32	
6	☾	Sun ſet 3. 41	Sagit. 14	☌☌☿. *Mutable.*	6 42	
7	☾	Ambroſe	Sagit. 26	*Cloudy. No great*	New ☽	
8	☾	Concep. Mar.	Capr. 8	*change yet.*	4 A 57	
9	☾	Joachim	Capr. 20	*Snow, or rain.*	5 50	
10	☾	Sun riſe 8. 20	Aqua. 2	☌☌♅☿. *Some wind*	6 46	
11	♐	3 Sun. in Adv.	Aqua. 14	☌☉♄ 10 a. *Store*	7 48	
12	☾	Epimachus	Aqua. 26	*of wind,* ✶♄☽ 9 p.	8 50	Moons Setting.
13	☾	Lucie	Piſc. 8	*rain, and ſnow*	9 54	
14	☾	Ember-week	Piſc. 20	✶♅☌☽. *may pro-*	10 59	
15	☾	Sun ſet 3. 41	Aries 2	*bably happen in*	12 6	
16	☾	O Sapientia	Aries 14	☌♄☿ 2 p. *this*	mor. 6	
17	☾	Lazarus	Aries 27	*moneth. Remiſ-*	1 12	
18	♑	4 Sun. in Adv	Taur. 10	☌♅☌☉ 5 a. *ſion of*	2 22	
19	☾	Sun riſe 8. 17	Taur. 24	*cold* ☌☌♀☿.	3 38	
20	☾	Ioh. Faſt.	Gem. 8	*Seaſonable.*	4 54	
21	☾	S. Thom. Ap.	Gem. 22	*Fitting the time*	6 10	
22	☾	Theodoſius	Canc. 7	*of the year.*	Full ☽	
23	☾	Sun ſet 3. 44	Canc. 22	☌♅☌☽. *Snow.*	5 A 0	
24	♒	Adam. Faſt.	Leo 7	☌☉☿ 3 p. *Winds*	6 16	Moons Riſing.
25	♓	Chriſts Nat.	Leo 22	☿ Occid. *and rain.*	7 35	
26	☾	S. Steph. pro.	Virg. 7	*'Tis now a meet time*	8 52	
27	☾	S. John Evan	Virg. 21	*to rejoyce, and praiſe*	10 8	
28	☾	Ss. Innocents.	Libra 5	*God for his won-*	11 24	
29	☾	Sun riſe 8. 9	Libr. 19	*derfull mercy to*	12 39	
30	☾	David	Scor. 2	*mankind.*	mo. 39	
31	☾	Sylveſter.	Scor. 15	□☿☽ 10 p. *Cloudy.*	1 53	

The 6 day at 3 afternoon, Mercury
The 7 day at 7 night, Saturn
The 9 day at 6 morning, Mars
The same day at 3 aftern. Jupiter
The same day at 5 afternoon, Venus
} is with the Moon.

The 1 day the Evening Star sets at 5 a clock and 15 min. at night.

D.	ho.	min.	
1	10	M 11	*Full Sea at* London-Bridge.
2	10	59	Day 7 ho. 26. min.
3	11	48	
4	0	A 36	
5	1	25	K. Concessions voted satisfactory by the Parliament, 1648.
6	2	15	
7	3	6	
8	3	57	
9	4	46	☽ near the ☉.
10	5	3:	The shortest day and longest night in the year.
11	6	18	Day 7 ho. 20 min. Night 16 ho. 40 min.
12	7	1	*Regula verum.*
13	7	43	*Solstitium decimo Christum præit atq; Johannem,*
14	8	24	*Nuncia sit matris nox æqua diemq; Johannis.*
15	9	5	
16	9	49	
17	10	33	*O. Cromwel* usurped the title of Protector, 1653.
18	11	21	*Lucida Hydræ occidit manu.* ☿ *supra* ♂.
19	12	14	The Evening-Star sets at 5 a clock and 55 min.
20	mor.	14	
21	1	11	*Caput sequens* ♍, *& humerus sinister Orionis*
22	2	12	*oriuntur vesperi.*
23	3	16	
24	4	19	Day 7 ho. 30 min.
25	5	19	Day encreased 11 min.
26	6	16	♀ with ☉.
27	7	7	
28	7	55	
29	8	43	Major *Pitcher* basely shot to death, 1648.
30	9	30	The Evening-Star sets at 6 a clock, and 27 min.
31	10	18	LXV. *vita* C. *sex horas continet annus.*

The Dominion of the Moon in mans Body, passing under the 12 Zodiacal Constellations.

♈ Aries, head and Face.

♉ Taurus, Neck and Throat.

♋ Cancer, Breast, Stomack & Ribs.

♍ Virgo, Bowels and Belly.

♏ Scorp. Secret members.

♑ Capricor. Knees.

♊ Gemini, Arms and Shoulders.

♌ Leo, Heart and Back.

♎ Libra, Reynes and Loynes.

♐ Sagitarius Thighes.

♒ Aquarius, Legs.

♓ Pisces, the Feet.

The Characters of the seven Planets, with the Dragons Head and Tayl.

♄ *Saturn*, ♃ *Jupiter*, ♂ *Mars*, ☉ *Sol* ♀ *Venus*, ☿ *Mercury*, ☽ *Luna*, ☊ *Dragons-head*, ☋ *Dragons-tayl*.

The Aspects both Old and New.

☌	Conjunction, when Planets are in one sign and degree.
Sq	Semiquarre, when they are distant 1 sign.
✶	Sextile, when they are 2 signes distant.
⚼	Sesquisq. when they are one from another 1 sig. 12 deg.
□	Quartile, when Planets are distant 3 signes
Td	Tridecile, when they are 3 signes 18 degrees distant.
△	Trine, when they are parted 4 signes.
Bq	Biquintile, when they are removed 4 sig. 24 degrees.
☍	Quincunx, when they are 5 signes distant.
☍	Opposition, when they are 6 sig. asunder, at a full circle.

Keplers Definition of an Aspect, Epit. Astron. pag. 840.

Est angulus formatus a radiis luminosis binorum Planetarum, apud terram, efficaces stimulo animi nostri ad cognoscendum.

To know when any of these Aspects happen, and what they signifie, you may view my Ephemeris for this, where you may see all the Eclipses described, as they will appear, and all the Planetary motions and Aspects, according to my Astronomy lately published in the English Tongue.

being, 1664.

AN

APPENDIX

unto the precedent

ALMANACK

for this present Year of Mans Redemption, 1664.

Wherein is contained,

1. A Brief Chronology of years from the Creation.
2. A Diall-Table, to find the true hour of the Day.
3. A Description of the Eclipses.
4. A Brief Description of the Four Quarters of the Year.
5. *Calculus illius illustris* ☌ ☉ ☿ *ad diem* 25. *Octobris, juxta* A. B. *Authoris.*
6. A Determination of the Magnitude, Motion, and Distance of the Stars and Planets; with a brief admonition touching the Parallax and Refractions of the Planets.
7. Excellent Rules to find the hour of the Night, by the Southing, Rising, and Setting of the Stars.

Useful and pleasant for all those which are desirous of such a work.

By VINCENT WING.

Cœli enarrant gloriam Dei, & opera manuum ejus annunciat firmamentum. Psal. 19. 1.

LONDON

Printed by *A. M.* for the Company of Stationers, 1664.

The Dominion of the Moon in mans Body, passing under the 12 Zodiacal Conſtellations.

♈ Aries, Head and Face.

♉ Taurus, Neck and Throat.

♋ Cancer, Breaſt, Stomack & Ribs.

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♌ Leo, Heart and Back.

♎ Libra, Reynes and Loynes.

♐ Sagitarius Thighes.

♒ Aquarius, Legs.

♓ Piſces, the Feet.

The Characters of the ſeven Planets, with the Dragons Head and Tayl.

☿ *Saturn*, ♃ *Jupiter*, ♂ *Mars*, ☉ *Sol*, ♀ *Venus*, ☿ *Mercury*, ☽ *Luna*, ☊ *Dragons-head*, ☋ *Dragons-tayl*.

The Aſpects both Old and New.

☌ Conjunction, when Planets are in one ſign and degree.
⚺ Semiſextile, when they are aſunder 1 ſign.
⚹ Sextile, when they are 2 ſignes diſtant.
⚼ Diſſeſſe, when they are one from another 2 ſig. 12 deg.
□ Quartile, when Planets are diſtant 3 ſignes
Tri Tridectile, when they are 3 ſignes 18 degrees diſtant.
△ Trine, when they are parted 4 ſignes
Bq Biquintile, when they are removed 4 ſig. 24 degrees.
Vc Quincunx, when they are 5 ſignes diſtant.
☍ Oppoſition, when they are 6 ſig. aſunder, or a ſemicircle.

Keplers Definition of an Aſpect, Epit. Aſtron. pag. 840.

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To know when any of theſe Aſpects happen, and what they ſignifie, you may view my Ephemerides, where you may ſee all the Eclipſes deſcribed, as they will appear, and all the Planetary motions and Aſpects, according to my Aſtronomy lately publiſhed in the Engliſh Tongue.

Wing, 1664.

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By *VINCENT WING.*

Cæli enarrant gloriam Dei, & opera manuum ejus annunciat firmamentum, Psal. 19. 1.

LONDON

Printed by *A. M.* for the Company of Stationers, 1664.

A Compendious Chronologie of divers memorable Things, ſince the Creation to this preſent Year 1664.

	Years
A Condito Mundo iuxta Orientalis Eccleſiæ Græcæ tradita	7165
Iuxta Occidentales Eccleſias Romanas	6824
Iuxta Hebræos & Iudæos recentiores	5424
Iuxta Sacras literas & hiſtoricos fide digniores	5613
Since Noahs Flood	3917
Since the deſtruction of Sodom and Gomorrha	3566
Since the deſtruction of Troy	2846
Since Brute entred this Iſland of Britaine	2771
Since the building of the famous City of London	2771
Since the building of York	2653
Since the building of Leiceſter	2608
Since the building of Canterbury	2556
Since the building of Stamford	2527
Since the building of Rome	2416
Since the deſtruction of Hieruſalem	1564
Since England received the Chriſtian Faith	1474
Since the Danes firſt entred England	646
Since Duke William Conquered England	508
Since the Invention of Guns	289
Since the Rare Myſtery and Art of Painting	224
Since the Regiſter Books began in every Parish	136
Since King Hen. 8 won Bolloigne	121
Since the uſe of Coaches came into England	108
Since the great Maſſacre in France	102
Since Pauls Steeple was fired by Lightning	101
Since the Campe at Tilbury in Eſſex	76
Since the Powder-Treaſon, Nov. 5.	59
Since the great Comet or Blazing-Star, 1618	46
Since our moſt Gratious King Charles was born, May 29	34
Since the long Parliament began, Nov. 3.	24
Since the Battle at Edge-hill, Octob. 23.	22
Since Marſton Moor fight, July 2.	20
Since O. Cromwell uſurped the Title of Protector	10
Since the Murther of his late Sacred King Charles I.	16
Since the matchleſs March of the Lord Generall Monck from Scotland to London	4
Since the happy Arriuall of our Gracious King Charles to London, May 29	3
Since the laſt Earthquake in England Ann. 24.	3
Since our Gracious Katherine landed in England, May 14.	2

Viva: Rex & Regina.

the shadow of the Sun, and the help of a plain Staff, divided into 12 equall parts.

No. before noon. / No. after noon.	12	11 1	10 2	9 3	8 4	7 5	6 6	5 7
June 11 / 11	6	7 9	3 9	0 11	9 16	2 23	1 36	0 48 1
20 23 June	6	9 7	5 9	2 12	1 16	5 23	3 36	2 71 2
July 10 8	7	2 7	8 9	6 12	6 17	0 24	4 38	3 79 4
20 13 July	7	7 8	3 10	0 13	1 17	5 26	6 43	5 86 5
30 23	8	4 9	0 10	3 13	0 19	1 28	2 46	1 188 3
April 20 2	9	3 9	9 11	8 15	2 21	0 33	5 57	7 231 5
10 12 Aug.	10	4 11	0 13	0 16	8 23	3 35	9 70	6
30 23	11	9 12	2 14	8 19	0 26	8 44	9 109	8
May 20 2	13	6 14	4 16	9 21	8 31	4 55	4 21	
10 12 Sep.	15	7 16	6 19	4 25	8 37	7 77	5	
28 23	18	8 19	0 20	6 30	9 47	0 123	7	
Feb. 20 1	20	6 21	9 26	8 30	6 52	8 206	0	
10 11 Oct.	23	0 25	4 30	6 42	3 79	5		
30 22	25	5 30	3 36	9 56	3 123	9		
Jan. 20 1	28	3 35	5 46	2 89	9 236	2		
10 11 No.	38	8 41	8 53	5 88	6			
30 22	44	1 87	8 61	9 120	0			
Dec. 20 2	47	5 51	7 69	3 206	5			
10 12 Dec.	48	6 53	0 71	9 155	4			

To find the hour of the Day speedily by this Table.

TAke a Staff or Rod, of what length you please, and divide it into 12 equall parts, marking out the same upon your Staff, then set it upright in some plain levell place, where the Sun doth shine, and measure how many such parts the length of the shadow thereof contains, which find out in the Table, right against the day of the moneth, and in the same Collumne over head, you have the true hour of the day: But if you cannot find the just day of the moneth, nor the number of the said parts exactly, you may either make proportion, or take the nearest thereunto; as by the example appears.

Suppose that upon the 30 of March, or 23 of August, I erect my Staff upon levell ground, where the Sun shines, and find the shadow thereof to contain 10 parts (that is, my Staff length, and seven parts more) now seeking in the Table for 10 against the said day, I find over head, that it is then either 9 a clock before noon; or 3 afternoon; for that had the Observation been in the forenoon, it had been 9 a clock, but if in the afternoon, 3 a clock, as your own judgement will inform you.

In the use of this Table you are to observe, that the first figure in each column towards the left hand, is for the parts of your Staff, and the second is but a fraction, to shew that the shadow is more than so many even parts, each part being divided into 10. As upon the 20 of April, at 9 a clock in the morning, the shadow is 10. 8. that is 10 whole parts, and 8 parts of 10. which is something above 10 parts and 3 quarters. Thus may you finde the true hour of the Day with your Staff at all times.

The two great lights of the World, the Sun and the Moon, shall suffer four Eclipses this present year: for twice will the greater Luminarie, the Sun (in part) be hidden from our sight, by the interposition of the opacous body of the Moon, between the Sun and the Earth; and twice also shall the lesser Luminarie, the Moon be totally deprived of the Suns bright shining lustre, by the interposition of the Earth between the Sun and her: of all which we in England shall only see the last, which is a great and totall Eclipse of the Moon.

The first Eclipse is of the Sun upon the 18 day of January, which will present it self to the North-East parts of the World only.

The second is a very great and totall Eclipse of the Moon upon the 1 of February, which may be seen in the extremity of Great Tartaria, China, Nectair, Sandri, Cambula, Japonia, Xicoa, Gilolo, Ceiram, Datu, Cimpagua, and in the Philippine and Moluccæ Islands.

The third is a very small Eclipse of the Sun upon the 12 of July, to be seen only in the South parts of the Earth.

The fourth and last is a very great and totall Eclipse of the Moon, upon Wednesday the 27 of July near midnight, which (if the air be clear) will be seen of us in England.

The beginning of this Eclipse will be at 22 min. past 9 of the clock at night.

The beginning of totall darkness at 35 min. past 10.

The middle (or nearest propinquity of the Moon to the center of the Earths conicall shadow) at 22 min. past 11 a clock at night, at which time the Moon will be eclipsed to the quantity of 16 digits and 22 min.

The end of totall darkness at 10 min. after midnight.

But the full end and recovery of all her light will not be till 21 min. after 1 a clock on Thursday morning; so that the totall darkness will continue 1 hour and 35 min. and the totall duration 4 hours and 1 min.

This great Eclipse of the Moon happens in the 10 house of the Heavens, in Aquarie, a sign of the airy Triplicity, and Mercury and Saturn are Lords thereof; from whence we may gather (according to the observations of the ancient Astrologers) that many diseases will abound, as Coughs, Consumptions, Fevers, and the like. In the air, windy, cold, and dark weather, scarcity of corn, &c. as the Planets most fortified in the Figure, and the Decumane wherein the Eclipse is celebrated, seem to infer, and as touching the Triplicities, or Eclipsed Sign, that what Proclus saith. *Cum accidit Eclipsis alterutrius* ☉ *aut* ☽, *in* ♓, ♑, *vel* ♋, *fames, & atrocissimas agritudines, mortborumq; pestes mortalibus ingerere Astrorum obscurationes.* But because it happens in the 10 house (which is termed, *Domus Regum, Principum, Magistratuum, &c.*) I shall therefore say no more, only you must take notice that all places are not alike concern'd in the effects, but such more especially as are under the eclipsed Sign, for Eclipses maximè aguntur illas,

illas regiones, quæ sunt sub Signo ecliptico, vel illi sunt familiares, [s]how the places under [w]ar, Amazonia, Sarmatia, great Tartaria, Valachia, Moscovia, the South part of Swethland, Westphalia, Pedemont, &c. and of Titles, Hambo ough, Breme, Monsterrat, Trene, Ingolstade. Neither must we in England pass without feeling its effects, in regard it's Supraterranean, and near our medium Cœli. And thus much may suffice for the effects of this Eclipse; they that would be more fully satisfied, may have recourse to the Second Part of my Ephemerides, Sect. 2 Chap. 5.

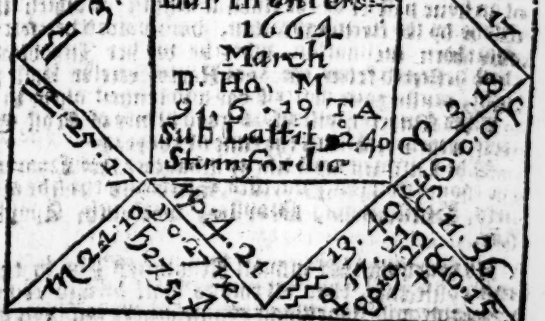
Of the four Parts or Quarters of this present year, 1664.

The Spring Quarter (which naturally begins about mid-February) according to our common Computation doth commence this year on Wednesday the 9 of March, at sun-set, or rather at 19 min. after, according to my Astronomia Britannica, grounded exactly upon the Tycho-ick Observations.

Calculus veri ☉ loci ad tempus ingressus in Arietis principium.

Medius motus Solis	♓	27°	57′	56″	Temp. Dat.
Apogæum	♋	6	48	22	166.. Mart. 9.
Anomalia Eccentri	♍	21	9	34	hor. 6. 19.
Prostaphæresis	Ad	2	2	4	
Locus Solis Verus	♈	0	0	0	Id est ♈. 0°. 0′. 0″.

A Figure of th's years Revolution, 1664.



This Spring Quarter is like to be windy, rainy, and moist, with some hail storms, and pleasant gales intermixt.

The Diseases most like to afflict us this Quarter are Melancholy, Frenzies, Sadness, Rheumes, Fluxes, Feavers, Inflammation, Headach, Small Pox, Tetters, Scabs, pain in the Joynts, Agues, Jaundies, Palpitation of the Heart, and such other Diseases as proceed from corruption of Blood, which now begins to abound; and therefore in this Quarter is the best time to use Phlebotomie and purging of noxious humours, for the preventing of sickness, and the restoring of bodily health.

Summer (which truly begins in May) according to our vulgar account, makes its entrance when the Earth (continuing her first course of Circuit) hath removed us her Northern Inhabitants, to the greatest portion of day light, or (as we usually say) when the Sun enters the first min. of Cancer, which either way taken, comes to pass this year on Friday the 10 of June, at 9 of the clock at night.

This Quarter will (I suppose) afford many sudden showers, often mixt with hail and thunder, but more especially in the beginning thereof.

Summer Diseases accompany this Quarter, as acute Fevers, Agues, pain in the Stomack, Joynt-ach, Plurisies, sore Eyes, Soundings, Tumors, Inflammations, yellow Jaundies, and the like.

Autumn (which naturally commenceth with August) beginneth at such time, as the Earth (entering the first point of Aries) hath again volved her self at a right angle to the Sun, or more vulgarly when the Sun enters the first point of Libra, which either way taken, falls out this year on Munday the 12 of September, at 4 min. past high noon, making again equall day and night to all Nations.

The weather this Quarter is like to prove in different kind and temperate, being dry in the beginning, and yet before the end may have pretty store of rain and snow.

The Diseases most rife and stirring this Quarter, are quartan Agues, Opilations in the Spleen, obstruction of the Brest and Lungs, Tisicks, Sciatica, Falling Sickness, Tooth-ach, Convulsions, Dropsies, and the like.

The Winter Quarter (which properly enters with November) begins this year on Saturday the 10 of December, at three quarters of an hour past 11 of the clock at night; at which time our earthly Globe by its circumgyration, hath volved her self to the greatest Northern inclination, wherein we her Inhabitants being so thereby deflected from the Suns Rayes, receive least portion of day light, causing our shortest day and longest night in the year.

This Quarter will afford good plenty of Frost, Snow, and wintery weather, fitting the time of the year.

The Diseases most like to invade us this Quarter, are Rheums, the Gout, Coughs, Plurisies, Stitches in the side and back, Soundness, Distillations, Dropsies, Head-ach, Apoplexes, and the like.

As touching this annuall Revolution I do in the generall call this conjecture, that all things shall be and remain in a quiet, peaceable, and flourishing condition; the common people shall participate and enjoy many benefits from the Magistrate and other in their imployments, who shall strenuously endeavour after the good and welfare of the Nation. But there are a generation of wicked men (yea of them that are accounted rich (though poor) in the World) who make it their chief and principall

business, daily to oppress the Poor, raise their Tenents Rents beyond their full worth and value, and in fine, do utterly destroy, and grind them in pieces, (Oh horrid impiety!) and all under pretence of maintaining their pride and luxury, but let such know, that they are greatly pointed at by our Figure, and for their cruelty to the Children of Israel in their courles sought against Sisera, as it is Judg. 5. 20. so they will now (as I understand by their language) stoutly fight against such miserable, wicked, and unrighteous persons, who if in time, they desist not from such unjust actions and designs, what may they expect but to have the cup of the Lords vengeance suddenly to be powred out upon them. But no more at this years Revolution, only for the four Parts thereof take this Dittick:

Poma dat Autumnus; formosa est mensibus Æstas;
Ver præbet flores; igne levatur Hyems.

Of the appearance of the Planet Mercury in the body of the Sun this present year, 1644.

Upon Tuesday the 25 of October will happen a rare and eminent Conjunction of the Sun and Mercury, wherein the Planet Mercury will come between our sight and the Sun, and shall (as it were) darken and eclipse some part of his glorious body from us. And because nature doth seldome present us with Eclipses of this kind, it will not be unpaper to insert the Calculation thereof from Astronomia Britannica, and the rather because it doth Mercury, in three several Conjunctions of this kind, correspond most exactly with the Heaven, which may invite such ingenious Artists, as are curious in observation, and have occasion to travell Westward, to make diligent observation thereof.

Calculus illius Eclipsis ☌ ☉ ☿ ad diem 25. Octobris. Hor. 7. 6'.56''. T.M. juxta A.B.

	☉				☿			
	S.	gr.	′	″	S.	gr.	′	″
Medius motus	7	14	41	51	1	23	13	26
Apogæum	3	6	49	0	8	11	55	2
Anomalia media	4	7	52	51	5	11	18	24
Prosthaphæresis	Sub.	1	39	22	Sub.	1	0	18
Loca Heliocent.	7	13	2	38	1	13	2	8

Nodus ☿ Borealis			♍	14	32	8
Remotio Latitudinis			21	28	50	2
Reductio	Add.					30
Locus ☿ à ☉ reductus			1	13	2	38
Locus ☉ verus		Subtr.	7	13	2	38
Nodus Orbis			6	29	0	0

4494082 ☿ Log.					
4945323 ☉ Log.					
9439874 Prop. Lat.					
Prop. dimr.					
Lat. ☿ Max.	3	27	15		
Scrup. Prop.					1.53
Latitudo vera	☿				
☿ Geocentrica					31
Merid. dese.					

Deinde, pro hujus Eclipsis determinatione, esto hoc Schema delineatum. Et A Solis centrum, P F G E Discus Solis visibilis, P A D Radius, G E D Pars Orbitæ ☿, G centrum interius Mercurii in Discum Solis [illegible], E egressus ☿ à Sole, D Nodus ☿ Ascendens, A D [illegible] Solis à Nodo.

Summer (which truly begins in May) according to our common account, makes its entrance when the Earth (touching the first scruple of Cygnisoen) hath removed us her Northern Inhabitants, to the greatest portion of day light, or (as we usually say) when the Sun enters the first min. of Cancer, which either way taken, cometh to pass this year on Friday the 10 of June, at 9 of the clock at night.

This Quarter will (I suppose) afford many sudden showers, often night with hail and thunder, but more especially in the beginning thereof.

Sundry Diseases accompany this Quarter, as acute Fevers, Agues, pain in the Stomach, Joynt-ach, Plurisies, sore Eyes, Soundings, Tumors, Inflammations, yellow Jaundies, and the like.

Autumn (which naturally commenceth with August) beginneth at such time, as the Earth (entring the first point of Aries) hath again volved her self at a right angle to the Sun, or more vulgarly when the Sun enters the first point of Libra, which either way taken, falls out this year on Monday the 12 of September, at 4 min. past high noon, making again equall day and night to all Nations.

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business daily to oppress the Poor, raise their Tenents Rents beyond their full worth and value, and in fine, do utterly destroy, and crush them in pieces, (Oh horrid impiety!) and all this but to maintain their pride and luxury, but let such know, that they are greatly pointed at by our Figure, and for their cruelty for as the Stars in their courses fought against Sisera, as it is Judg. 5.20. so they will now (as I understand by these languages) effectually fight against such miserable, wicked, and prophane Persons, who if in time, they desist not from such unjust actions and designs, what may they expect but to have the cup of the Lords vengeance suddenly to be powred out upon them. But no more at this years Revolution, only for the four Parts thereof take this Distick:

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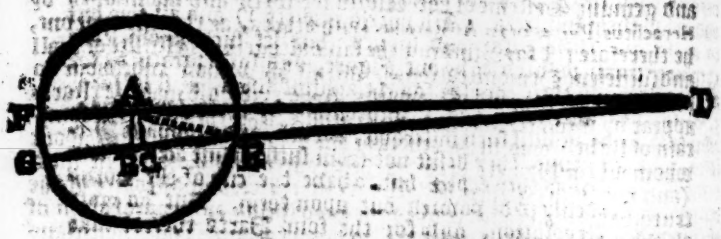
Calculus illius Ellipseos ☉ ☿ ad diem 25. Octobris. Hor. 7. 6'.56.". T.M. juxta A.B.

	☉ S.	gr.	'	"	☿ S.	gr.	'	"
Medius motus	7	14	41	51	1	23	13	26
Apogæum	3	6	49	0	8	11	55	2
Anomalia media	4	7	52	51	5	11	18	24
Prosthaphæresis	Sub.	1	39	13	Sub.	10	13	18
Locus Heliocentr.	7	13	2	38	1	13	2	8
Nodus ☿ Borealis					☊	14	12	5
Anomalia Latitudinis					11	28	50	2
Reductio	Add.							30
Locus ☿ à ☉ reductus					1	13	2	38
Locus ☉ verus	Subtr.				7	13	2	38
Anomalia Orbis					6	0	0	0

449408 ☿ Log.
494532 ☉ Log.
949870 Prop. Lat.
Prop. datur.
Latit. ☿ MAX. 3. 8 11'. 15".
Scrup Prop. 1. 13
Latitudo vera
☿ Geocentrica 3. 12. 4
Meridd. dist.

Esto, pro hujus Eclipseos determinatione, ellipsis hæc Schema 6. in quo sit A Solis centrum, P F G E Discus Solis visibilis, P A D Ecliptica, G B D Pars Orbitæ ☿, G arcuum incrementis Mercurii in Discum Solis visibilem, B regressus, seu excessus ☿ à Sole, D Nodus ☿ Australis, A D distantia Solis à Nodo.



I. In Triangulo Rectangulo A B D dantur (1.) A D distantia ☉ à Nodo ☿ gr. 19′ 27″, (2.) A B Latitudo ☿ 5′ 32″, M. D. (3.) B A D Angulus Rectus gr. 90. ergò dabitur angulus A D B gr. 3. 11′ 9″, cui angulus B A C æqualis.

II. In Orthogonio A B C, ex *data* B A C gr. 3 11′ 9″ & A B 3′ 32″ Una cum angulo recto B C A gr. 90. datur primùm B C 0′ 13″, & A C maxima centrorum ☉ & ☿ appropi quatio 3″ 52″ Divisa B C 0. 13″ in horarium motum 5′ 48″ erunt in quotiente 2 ′ 14″, add. tempori veræ ☌, ut visa accidat Londini Hor. 7. 19′ 2″ Stamfordiæ verò Hor. 7 17′ 2″.

III. In Triangulo Rectangulo A C E, ex datis A C 3′ 51″, & A E 16′ 30″ primer angulum rectum ad C, innotescit C E 16′ 2″, quæ divisa per horarium motum ☿ & ☉ 5′ 48″ ostendunt dimidium centralis durationis Hor. 2. 45′ 51″ Ergò

		Ho. M. S.
Octob. 25.	Ingressus ☿ centralis	4 31 18.
	Maxima Centrorum approping.	7. 17. 1.
	Egressus ☿ centralis	10 2. 54.

According to this Calculation Mercury will enter upon the Eastlimb of the Sun at the time of his setting, or a little before, and therefore it may in part offer it self to us; but in such places as are more Westward, it will be visible to them that have good Telescopes, who I hope will faithfully observe it, and communicate their observations.

Of the Magnitude, Motion, and Distance of the Stars and Planets.

I cannot with Joannes de Sacro Bosco, Merula, and other Aristotelian Philosophers, be so bold and audacious as to defend that erroneous Doctrine, that teacheth that the Sun Moon, and Fixed Stars are moved once about the Earth in the space of 24 hours, and that a Stella, Dentior pars suî Orbis, the thicker part of its Orbe, and of the same matter, being fixed therein, as a knot in a Bulrush, or the like, and so by the swift, and rapid motion thereof it makes its diurne circumgyration; according to which erroneous supposition the ancient Astronomers framed the Systeme of the World, as we find it set forth and delineated by Aristotle and his followers, whereupon Ptolomie framed his Hypothesis, which in the succeeding ages of the World was embraced in all Nations, till a little after the year 1500, at which time Copernicus, a Prussian, finding by

insufficiency thereof, and how inconsistent it was to that rationall and genuine System of the World set forth and maintained by Heraclitus Pythagoras. Aristarchus, and others, as the only true one, he therefore (I say) finding the same altogether destitute of reall and sufficient Demonstrations) did use his utmost endeavour to discover the truth, and afterwards, Anno 1536. did make it clearly appear by Geometricall Demonstrations, that the Sun (the fountain of light) was in the center of our Planetary System, about whom all the Planets perform their course and motions in fluid (and not solid) Orbes. Which rare invention and discovery of the truth, having already received the good liking and approbation of all the most learned Divines Philosophers and Mathematicians in Europe, I hope there is none so adverse and opposite to reason, and such clear Demonstrations, but they will assent to the naked truth so unanimously received, and retained by all the learned Astronomers of this age. However I shall advise those that are yet unsatisfied, seriously to perusse the learned Works of Gilbertus newly translated into English by Mr. Salisbury, and printed in two Volumes, wherein they may receive satisfaction, as well in point of Art, as in those Scripture expressions, which seem to imply the contrary; in the mean time, you may read my Ὀκτώμηνα Δώρα, for the year 660. But this small piece being neither proper, nor ample enough to contain a Discourse of this nature, I shall here (at this time) omit much of that I intended, and shall come to give you a brief and accurate description of the Planetary Orbs, with their particular Dimensions, according to the rectified Hypothesis of Astronomia Britannica, grounded upon the Copernican System.

First I shall begin in the center, where we find the Sun, who is far the greatest and most noble body amongst the Planets; he hath no orbicular motion, but only a rotation from West to East upon his own axis, which he perfecteth in 26, 0, 27, Dales: and this appears by certain spots in his body, which by Telescope observations are best discovered. Now as the Sun far exceeds any of the Planets in magnitude, (and therefore is placed in centro Systematis Planetarii) so is he fons lucis oculus & animus Mundi, the fountain of pure light, and the eye and soul of the World. Hence it is, that according to the diversity and appearance of his rising, setting, and obliquation (arising from the Earths diurnall motion) he divideth the seasons of the year, and causeth an interchangeable course and vicissitude of day and night.

Sol tempora dividit Anni,
Mutat Noctes Diem, radiisq; potentibus Astra
Ire vetat; cursusq; vagos statione moratur.

Lucretius Lib. 5. de rerum natura calls him, Insigne radiatum Dei,

Propterea noctes hiberno tempore longæ
Cessant, dum veniat radiatum insigne dei.

Of the Sphere and body of Mercury, ℘.

The first primary Planet above the Sun is Mercury, who performs his course about the Sun in 88 dayes.

It is from the Sun to the Sphere of Mercury 1019964. Italian miles.

The circuit of the Sphere of Mercury is 1205 1773. miles.

His proper diurnall motion is 4 deg. 5 min. 32 sec.

Therefore he wheels in a day 137041 miles; in an hour 5710 miles, and in a minute 95 miles.

The body of Mercury is less than the Earth 3000 times.

Of the Sphere and body of Venus, ♀

Next above Mercury is the Orb and glittering Star of Venus, who maketh her Periodicall Revolution about the Sun in 224 dayes.

It is from the Sun to the Sphere of Venus 3636804 Italian miles.

The circuit of her Sphere is 22855511 miles.

Her true diurnall motion 1 deg. 36 min. 8 sec.

So the Star of Venus wheeleth in a day 101721 miles, in an hour 4238 miles, and in a minute 70 miles.

She is lesser than the Earth 147 times, and yet in respect of her vicinity to us, she appears the brightest Star in the whole Firmament, the Sun and Moon excepted, insomuch that she hath been oftentimes taken for a Comet. When she is a morning Star, rising before the Sun she is called Lucifer, but when an evening Star, Hesperus; hence Seneca de morte Claudii:

Qualis discutiens fugientia Lucifer astra;
Aut qualis surgit redemtibus Hesperus astris,

Of the Sphere and body of the Earth.

In the midst of all the Planets is the Earth, who (being placed between the Orbs of Mars and Venus) accomplisheth her Revolution about the Sun in 365 dayes, 5 hours, 49 min. and 4 sec.

It is from the Sun to the Sphere and body of the Earth 5023896 miles.

The circumference of her Sphere is 31566203 miles, her diurnall motion 59 min 8 sec.

Therefore the center of the Earth moveth in a day 86418 miles, in an hour 3600 miles, and in a minute 60 miles.

The body of the Earth is less than the Sun 338 times, and greater than the Moon 45 times.

Of the Sphere and body of Mars.

Next above the Earth is the Orb of Mars, who performs his Revolution about the Sun in one year, 321 dayes, 22 hours, 20 min. 44 sec.

It is from the Sun to the body of Mars 7635291 miles.

The circuit of the Sphere of Mars is 47992264 miles.

So he wheeleth in a day 60842 miles, in an hour 2910 miles, and in a minute 48 miles and a half.

The body of Mars is less than the Earth 146 times, and is thus noted ♂, according to that of Ovid:

Bellice, depositis Clipeo paulisper & Hasta,
Mars ades.

Next above Mars is Jupiter, who runs his course in 11 Egyptian years, 315 dayes, 14 hou. 30 min. 54 sec.

It is from the Sun to Jupiter 26179152 Italian miles.

The circuit of the Sphere of Jupiter is 164554670 miles.

His diurnall motion about the Sun is 4 min. 59 sec. secundum stellam signorum,

Hence he wheeleth every day 37996 miles, every hour 1583 miles, and every minute 26 miles.

He is less than the Earth one time; and is noted thus ♃.

Of the Sphere and body of Saturn, ♄.

Saturn is the highest Planet in the Planetary System, and slowest in motion, insomuch that he performeth but one Revolution about the Sun in 29 Egyptian years, 162 dayes, 1 ho. 58 min. 2 sec.

It is from the Sun to Saturn 478338596 miles.

So the circuit of his Sphere is 3006682192 miles.

His proper diurnall motion, juxta ordinem Signorum, is 2 min. 0 sec.

Therefore he moveth in a day 33959 miles, in an hour 1498 miles, and in a minute 25 miles.

He is above once bigger than the Earth.

Of the Sphere and body of the Moon, ☽.

The Moon is a secondary Planet, and retains the Earth for her center, about which she performs her Revolution in 29 dayes, 7 ho. 43 min.

It is from the center of the Earth to the Moon, 201236 miles.

The circumference of her Sphere is 1277483 miles. Her diurnall motion 13 deg 10 min. 35 sec.

So she wheeleth in a day 46757 miles, in an hour 1948 miles, and in a min. 32 miles and a half.

She is less than the Sun 15924 times, and less than the Earth 43 times.

Quum respicio cœlos tuos, opus digitorum tuorum; Lunam & Stellas quas fundasti; quid est mortalis, &c. Psal. 8. 4, 5.

Monitum ad Astronomos.

In the Appendix of my last years Almanack, I spake briefly of the Parallax and Refractions of the Planets, and therein gave some probable reasons why the Planet Venus might be so much elevated by the excess of her Refraction, supra Solem, as equalled by Parallax, in that eminent Conjunction she made with the Sun, anno 1639. Nov. 24. Whereupon Mr. Thornicer, in his Almanack since printed, hath (without any reason given) been pleased to tell his Readers that that supposition of mine is groundless and wide of truth, of which (he saith) I may in time consider. But let him but well observe the part of Heaven wherein that remarkable Conjunction happned, which was in, or near the fifth Houſe, and besides consider that she was then depressed both by Parallax and latitude, and so nearer the Earth than the Sun by 18 minutes, it might have told him that my assertion was not unreasonable, see-

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ing that in many Observations of the like kind, it's plain and evident, that Refractions in those parts of heaven are oftentimes very great and prodigious, as may appear by the following Observations.

I. In the year 1590. July 7. Mostlin observed an Eclypse of the Moon at Tubing, wherein when the center of the Sun was risen above the Horizon, he saw the Moon 2 deg. high, and eclypsed some digits on her South side; and on the contrary, when the center of the Moon touched the Western Horizon, he noted the altitude of the Sun 2 deg. supra Ortum, and yet the Moon did set before the middle of the Eclypse. Kepl. in Astron. Optic. pag. 146.

II. The same Doth. Bernard Walther witness of Venus, in Lib. observat. where he saith, Quod locus Veneris quasi in eodem instanti a loco desiderato repertus sit, est notandum quod circa Horizontem astra appareant propter radios fractos super Horizontem, cum secundum veritatem sint sub eo.

III. In the year 1596. the Hollanders navigating along the Northern Ocean into the desert regions, called Nova Zembla, to seek a passage into the oriental Seas, they tell us, that (being oppressed by night in a frozen Sea) under the elevation of the Pole 76 degr. they took their farewell of the Sun upon the 3 of Novemb. and they concluded, according to Astronomicall principles, that he should not return to their view again before the 22 of February 1597. But it hapned that upon the 24 of January, (29 dayes before the due time) they saw the Supreme margin of the Sun begin to appear in the very point of the Meridian, and after a few hours, they observed ☉ ☽ in 2 deg 8', so that his Refraction was above 3 degr. and a half.

IV. In the year 1632 in the moneth of February Capt. Tho. James of Bristoll wintering in an Island of America (sub Longit. 305 degr. Latit. 52 deg. North) found the apparent time of the Suns rising 20 min. sooner than the true ought to have been, as may be seen in the Description of his voyage pag. 64. whence it follows that the Suns Refraction was almost 5 deg.

Now seeing these Observations are undubitable and not to be denied, why then might not Venus (when she was 18 min. nearer the Horizon than the centre of the Sun, and little or nothing elevated supra Horizontem) be more refracted than the Sun by 5 min. Certainly if our Antagonists will but seriously consider that Refractions have often been observed as great and greater then is here mentioned, I hope they will not grudge when I tell them, that 'tis probable we might then be as much elevated by Refraction as depressed by Parallax, which is not above one 12 part of a deg. or 5 min. whereas in some Observations of the like kind, it hath been found to be above 3 times as much; And besides (in my judgement) it is too rash an attempt in any man, to new mould Astronomy, and so determine the Planetary distances by one Observation, whereas the true motion of that Planet in his Eclipsis is not yet so curiously discover'd, but that the best Tables yet compiled do differ in

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ther place (from some of the Tychonick Observations) above 15 min. as his own Tables (as well as others) do witness, which Observations (no doubt) were exactly made, but that the just quantity of Refractions (to which this Planet (so near the Horizon) was subject to) was not always equall, but sometime greater and sometime lesser, according to the crassitude of the air, and the different remotion of its Atmosphere from the eye of the Observator. So that the Refractions of the Stars being so various and uncertain, we may safely conclude, that such curiosities as these, cannot be discover'd by the wisest of men, untill such time as it shall please the great Creator of Heaven and Earth, to make manifest these mysteries, which yet (in a great measure) lye hid, and are unknown to the wisest of mortalls.

And although that all Parallax of the Sun in the Horizon cannot therein be exactly taken, in respect of his Refraction (then far exceeding his Parallax) which is there not always of like quantity, yet nevertheless the learned Tycho Brahe by the help of his large and curious Instruments, found by his continuall Observations made of his altitude, in different degrees above the Horizon, when he was freed from Refractions, that his Horizontall Parallax was about 3 min. which quantity, Argol and Eichstadere retain, from which Longomontanus doth not much dissent, although (for some good reasons) Lansberg and Bullialdus have diminished it to 2 min. 20 sec. to whom most Astronomers in Europe do agree; so that why Mr. Street, or any other, should carpe at, is a thing that we may admire at. And sure 'tis not reason, but a single affectation of novelty only, that draws men to believe those things, that cannot clearly be proved by Art and Observation, insomuch that we may conclude it were rashness to dissent from the quantity so well observed by many famous men, and we had better rest our selves satisfied, till nature present us with some other Phænomenas of the same kind, at a farther distance from the Horizon, when they are freed from Refractions, or at least not much entangled therewith; and if it then do but nearly approach to the Parallax of Venus (is different from our limitation grounded upon Instrumentall Observations, I hope there is none that will then be unwilling to rectifie that which shall be found erroneous, and to confirm the truth, and till that time, let me admonish all ingenious Artists, not to spend time in matters of this nature, which without further Observations, cannot exactly be determin'd by the best of men. For my own part, I have already in Astronomia Britannica, given some probable reasons why the Parallax of the Sun cannot be justly obtained by that Conjunction alone, and have shewed the errour of their Supposition, that maintain that the Aphelions and Perihelions of the Planets are always fixed under one point of the Sphere, to which I refer the learned and judicious Reader, being not willing to trouble him further in a piece of this nature, with such things as are not clear to be determin'd without further Observation.

A Table

A Table shewing the hour and minute of the Seven Stars coming to the South every 5 day of this year 1664.

Moneths,	Daies of the Moneth. 1		6		11		16		21		26		30	
	H	M	H	M	H	M	H	M	H	M	H	M	H	M
January	7	A. 55	7	33	7	12	6	51	6	30	6	10	5	53
February	5	A. 47	5	27	5	8	4	48	4	29	4	9		
March	3	A. 57	3	38	3	20	3	22	4	3	2	29	2	12
April	2	A. 5	1	46	1	28	1	9	0	50	0	32	0	15
May	0	A. 12	11	B. 52	11	32	11	12	10	52	10	31	10	14
June	10	B. 6	9	45	9	24	9	3	8	42	8	21	8	5
July	8	B. 2	7	41	7	21	7	1	6	41	6	22	6	7
August	6	B. 0	5	41	5	23	5	4	4	47	4	28	4	14
September	4	B. 6	3	48	3	30	3	12	2	54	2	36	2	20
October	2	B. 18	2	59	2	40	2	21	2	1	1	42	0	26
November	0	B. 18	11	A. 57	11	39	11	15	10	54	10	32	10	14
December	10	A. 10	9	47	9	25	9	38	4	8	10	3	3	2

The explanation and use of this Table.

Seek the moneth on the left hand, and the day on the head, and in the angle of meeting, you have the hour and min. when they will be due South. As upon the 1 of January, they come to the South at 7 a clock and 12 min. in the afternoon, the 16 day at 6. and 51 min. the 21 day, at 6 and 30 min. So likewise the 1 day of February they are South at 5. and 47 min. the 6 day at 5. and 27 min. and the 11 day at 5. and 8 min. in the afternoon. And here you are to note that A stands for afternoon, B for before noon, therefore observe what Letter you find the first day of the moneth, that takes place every other day, unless you find it changed. As in May under 1 day is A for afternoon, but under 5 day is B, so that from thence to the moneths end, their coming to the South is in the forenoon.

A Table

A Table shewing the Semidiurnall-Arch, and time of some of the fixed Stars coming to the South, either before or after the 7 Stars.

The Names of the Stars.	Time of Southing Ho.	Min.		Semid. Arch. Ho.	Min.
The brightest of the 7 Stars	0	0		8	16
The Southreye of the Bull, Aldeboran	0	49	A	7	27
The middlemost * in Orions-Belt	1	51	A	5	52
The greater Dogg, Sirius	3	3	A	4	30
The lesser Dogge, Procyon	3	54	A	6	31
Lions Heart. Basilisk	6	23	A	7	14
Tayl of the Lion	8	4	A	7	32
The Virgins-Spike	9	40	A	5	11
South-Ballance	11	5	A	4	40
The Scorpions-heart, Antares	11	5	B	3	21
Bright * of the Dragons-head	9	38	B	Set	not.
Bright * of the Vulture	17	53	B	8	43
The right shoulder of ♒	5	41	B	5	50
The head of Andromeda	3	36	B	8	51
Cassiopeia's knee	2	23	B	Set	not.
The bright * of the Ram	1	39	B	8	7

To find the just time of the coming to the South of any of the Stars expressed in this Table, and to know the hour and min. when they rise or set, whereby the true hour of the night may be known at all times when the Stars are seen.

First, You must find the time of the 7 Stars coming to the South by the first Table, and then by this Table, seek how many houres and min. the Star given, comes to the South before or after them; if it come to the South sooner or before them, you must deduct the hour and minute found in the Table from the time of the 7 Stars comming to the South; but if it come to the South after you are to make addition; for so the sum, or difference will be the true time of the comming to the South of the said Star.

Example, The 6 of October the 7 Stars will come to the South (as the first Table shews) at 1 a clock and 56 min. before noon, or in the morning; and because (the same morning) I desire to know at what time the greater Dogge will be South: I seek in the second Table, where I find the said Star comes to the South 3 houres 3 min. after the 7 Stars, therefore I add these 3 ho. 3 min. unto 2 ho. 2 min. and the sum 5 ho. 2 min. is the time of the greater Dogge coming to the South the same morning.

To find the time of the rising and setting of any of the said Stars.

Item if it be required to find the time when the greater Dog ri-

ses

ferth the same day, therefore I seek in the Table, and I find the Semidiurnall arch thereof to be 4 ho. 30 min. which I detract from the time of its Southing, 5 ho 2 min. and the residue 0 h. 32 min. shews that the said Star riseth the said 6 of Octob. at 28 min. after midnight, or 28 min. before 1 in the morning.

And that you may also know when it sets, add the said Semidiurnall arch 4 ho. 30 min. to the time of the Culmination 5 h. 5 min. and the aggregate is 9 ho. 32 min. which tells you that the said Star sets at 32 min. past 9 a clock the same morning. The like is to be observed of any other Star placed in the Table.

FINIS.

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